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CURRENT INDUSTRIAL REPORTS

Inorganic Fertilizer Materials and Related Products

U.S. Department of Commerce
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The statistics in this report are based on a survey of producers of sulfuric acid, inorganic fertilizer chemicals, and phosphatic fertilizer material. The statistics represent total production and stocks of U.S. manufacturers of nitric acid, sulfuric acid, ammonia, and phosphatic fertilizer materials. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information appears on page 5.

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Table 1. SUMMARY OF PRODUCTION OF PRINCIPAL INORGANIC FERTILIZERS: 1984 TO 1986

(1,000 short tons)

Month and year	Ammonia, synthetic anhydrous (28731 31) (100%)	Ammonium nitrate original solution (28731 50)	Ammonium sulfate (28731 61 162)	Urea (28732 15) (100%)	Nitric acid (28731 12) (100%)	Phosphoric acid (28741 81 185) (100% P_2O_5)	Sulfuric acid, gross (28193 00) (100%)	Phosphatic fertilizer materials (28742 00) (100% P_2O_5)
1986								
January	1,229	481	172	490	568	579	2,601	360
1985								
Total	16,201	6,906	2,049	6,556	7,778	10,492	39,615	6,986
December	r1,256	485	162	r439	566	735	2,963	421
November	1,198	544	154	456	638	799	3,094	511
October	1,327	561	185	534	650	922	3,609	542
September	1,241	532	165	453	621	919	3,375	565
August	1,231	508	162	448	594	802	3,248	557
July	1,312	556	175	495	613	842	3,321	612
Fertilizer year (July 1984-June 1985)	16,959	7,179	2,076	7,489	7,867	11,341	41,197	7,898
June	1,407	607	159	597	682	867	3,324	594
May	1,460	665	195	646	720	914	3,350	648
April	1,463	628	172	623	698	968	3,540	651
March	1,485	644	186	672	708	996	3,553	664
February	1,359	552	163	586	627	860	3,127	593
January	1,462	624	171	607	681	888	3,311	628
1984								
Total	16,692	7,146	2,067	7,433	7,726	11,370	41,802	8,020
December	1,543	614	169	682	655	1,001	3,590	669
November	1,482	589	177	672	635	1,002	3,384	681
October	1,414	602	189	717	628	1,019	3,601	702
September	1,330	562	178	621	623	980	3,445	704
August	1,348	518	164	509	576	977	3,583	712
July	1,206	574	153	557	634	889	3,409	672
Fertilizer year (July 1983-June 1984)	15,407	6,630	2,046	6,557	7,385	10,579	40,121	7,584
June	1,291	576	169	601	663	897	3,423	618
May	1,450	624	183	631	699	933	3,502	654
April	1,482	631	165	651	653	935	3,584	650
March	1,489	644	181	666	690	985	3,656	705
February	1,336	609	176	592	636	876	3,357	636
January	1,321	603	163	534	614	876	3,308	637

rRevised by 5 percent or more from previously published figures.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Gisela B. Hoffman, (301) 763-7807.

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Table 2. PRIMARY PRODUCTION AND STOCKS OF NITROGENOUS FERTILIZER MATERIALS

(Short tons)

Product code	Chemical and basis	January 1986		December 1985		January 1985	
		Quantity produced	Stocks held by producing companies[1]	Quantity produced	Stocks held by producing companies[1]	Quantity produced	Stocks held by producing companies[1]
	Ammonia:						
28731 31	Synthetic, anhydrous (100%)	1,228,931	2,332,059	r1,255,610	2,184,305	1,462,403	2,291,000
28731 30	Fertilizer use	1,160,596	2,289,436	r1,148,836	2,128,200	1,353,961	2,224,540
28731 32	Other uses	68,335	42,623	r106,774	56,105	108,442	66,460
	Ammonium nitrate ([illegible]%):						
28731 50	Original solution	481,206	235,379	484,944	r251,873	624,354	232,904
	Fertilizer use:						
28731 52	Solution produced for sale as such for direct application	50,525	63,151	37,958	62,610	38,108	48,838
28731 54	Solution produced for consumption in the manufacture of nitrogen solutions or other fertilizer materials	158,172	29,219	r157,132	36,382	227,750	36,104
28731 51	Solid	173,435	244,015	160,150	264,276	227,980	274,015
28731 53	Other uses[2]	95,037	55,528	87,662	69,578	115,467	60,540
28731 57	Ammonium sulfate(100%)[3]	172,464	308,449	162,436	299,523	171,305	307,981
28731 56	Synthetic	(D)	30,143	(D)	33,158	(D)	(D)
28731 58	Byproduct, other than coke oven	(D)	278,306	(D)	266,365	(D)	(D)
	Nitrogen solutions, including mixtures (100% N)	235,447	690,609	r230,200	r734,580	239,914	a662,925
28731 65	Solutions containing ammonia	(S)	180,271	[4](S)	r191,799	[4](S)	169,221
28731 66	Ammonium nitrate/urea solutions	190,995	510,338	r186,057	542,781	191,196	493,704
28731 67	All other	([4])	([4])	([4])	([4])	([4])	([4])
28731 12	Nitric acid (100%)[5]	568,299	(X)	545,997	(X)	681,362	(X)
28732 --	Urea (100%)	490,392	599,677	r439,052	661,821	607,174	590,869
	For fertilizer use:						
28732 16	Solutions produced as intermediate in nitrogen solutions	157,147	798	145,227	419	228,934	(D)
28732 18	Solid	290,125	579,875	r253,921	648,337	350,232	561,147
	Other uses:						
28732 21	Feed (solid and solution)	a13,178	(D)	a 8,876	(D)	11,116	(D)
28732 22	All other (solid and solution)	a29,942	(D)	a r31,028	(D)	16,892	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): a20 percent or more of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. rRevised by 5 percent or more from previously published figures.
(S) Suppressed. Data did not meet publication standards of the Bureau of the Census. (X) Not applicable.

[1]Stocks held by producing companies include amounts held at their nonproducing locations.
[2]Production represents total amount of ammonium nitrate produced including amounts used for fertilizer, explosive, and other uses, and amounts consumed in manufacturing other products, such as nitrogen solutions. Stocks represent total stocks held by producing companies, including stock of original solution and amounts (liquid and solid) reported as fertilizer, explosives, or other uses.
[3]Excludes coke oven byproduct ammonium sulfate.
[4]"All other nitrogen solutions" is combined with "Solutions containing ammonia," to avoid disclosing figures for individual companies.
[5]Includes data for Government-owned, contractor-operated plants.

Table 3. PRIMARY PRODUCTION, SHIPMENTS, AND STOCKS OF PHOSPHORIC ACID

(Short tons)

Product code	Chemical and basis	January 1986			December 1985			January 1985		
		Quantity produced	Quantity shipped	Stocks held by producing companies	Quantity produced	Quantity shipped	Stocks held by producing companies	Quantity produced	Quantity shipped	Stocks held by producing companies
	Phosphoric acid (100% phosphoric oxide)	579,194	277,974	238,111	734,762	r311,922	280,044	888,058	231,867	373,114
28741 81	Thermal	48,639	19,502	12,029	37,542	18,528	13,443	43,788	15,685	13,930
28741 85	Wet	530,555	258,472	226,082	697,220	r293,394	266,601	844,270	216,182	359,184
	By use:									
28741 86	Fertilizer	497,941	(X)	(D)	660,365	(X)	(D)	807,662	(X)	(D)
28741 87	Feed and other	32,614	(X)	(D)	36,855	(X)	(D)	36,608	(X)	(D)
	By grade:									
28741 88	Ortho (less than 65% P_2O_5)	423,201	(X)	(D)	550,344	(X)	(D)	728,329	(X)	(D)
28741 89	Super (more than 65% P_2O_5)	104,193	(X)	(D)	145,328	(X)	(D)	115,941	(X)	(D)

(D) Data withheld to avoid disclosing figures for individual companies, but are included in higher level. rRevised by 5 percent or more from previously published figures. (X) Not applicable.

Table 4. PRODUCTION, SHIPMENTS, CONSUMPTION, AND STOCKS OF SUPERPHOSPHATE AND OTHER PHOSPHATIC FERTILIZER MATERIALS, BY TYPE

(Short tons)

Product code	Product description	Basis	January 1986	December 1985	January 1985
28742 —	Superphosphate and other phosphatic fertilizer materials:				
	Production:				
	Gross weight		800,043	929,460	1,395,554
	Phosphoric oxide content	100% P_2O_5	360,171	420,755	628,197
	Shipments, including interplant transfers	..do	415,025	403,925	672,164
	Used in plants (captive)	..do	4,327	6,047	5,374
	Stocks on hand, end of month	Gross wt	994,515	1,129,148	1,076,364
28742 15	Normal and enriched:				
	Production:				
	Gross weight		[a]21,811	38,699	[a]46,811
	Phosphoric oxide content	100% P_2O_5	[a]4,471	7,813	[a]9,192
	Shipments, including interplant transfers	..do	[a]1,898	[a]2,214	[a]4,295
	Used in plants (captive)	..do	[a]4,166	[a]4,292	5,153
	Stocks on hand, end of month	Gross wt	[a]68,686	[a]68,129	[a]59,328
28742 41	Concentrated:				
	Production:				
	Gross weight		108,919	162,286	153,018
	Phosphoric oxide content	100% P_2O_5	51,016	75,522	71,116
	Shipments, including interplant transfers	..do	73,705	58,487	95,627
	Used in plants (captive)	..do	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt	243,847	293,268	219,031
	Ammonium phosphate:				
28742 51	Monoammonium phosphates:				
	Production:				
	Gross weight		53,092	77,902	87,256
	Nitrogen content	100% N	7,241	9,084	9,948
	Phosphoric oxide content	100% P_2O_5	27,586	40,486	44,764
	Shipments, including interplant transfers	..do	37,495	51,970	58,311
	Used in plants (captive)	..do	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt	61,834	[r]69,756	69,601
28742 52	Diammonium phosphates:				
	Production:				
	Gross weight		569,359	607,428	1,057,105
	Nitrogen content	100% N	100,582	110,277	186,696
	Phosphoric oxide content	100% P_2O_5	263,282	284,854	488,458
	Shipments, including interplant transfers	..do	284,632	284,788	503,356
	Used in plants (captive)	..do	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt	561,190	626,844	641,900
28742 55	Other ammonium phosphates:				
	Production:				
	Gross weight		[1]46,862	[1]43,185	[1]51,364
	Nitrogen content	100% N	[1]5,941	[1]5,637	[1]10,654
	Phosphoric oxide content	100% P_2O_5	[1]13,818	[1]12,080	[1]14,667
	Shipments, including interplant transfers	..do	[1]17,295	[1]8,466	[1]10,585
	Used in plants (captive)	..do	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt	[1]58,958	[1]71,151	[1]86,504
28742 61	Other phosphatic fertilizer materials:				
	Production:				
	Gross weight		(1)	(1)	(1)
	Nitrogen content	100% N	(1)	(1)	(1)
	Phosphoric oxide content	100% P_2O_5	(1)	(1)	(1)
	Shipments, including interplant transfers	..do	(1)	(1)	(1)
	Used in plants (captive)	..do	(1)	(1)	(1)
	Stocks on hand, end of month	Gross wt	(1)	(1)	(1)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text for a discussion of estimation of missing reports): [a]20 percent or more of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. N = Nitrogen content. P_2O_5 = Phosphoric oxide content. [r]Revised by 5 percent or more from previously published figures.

[1]Other ammonium phosphates is combined with other phosphatic fertilizer materials to avoid disclosure of figures for individual companies.

Table 5. PRIMARY PRODUCTION AND STOCKS OF SULFURIC ACID

(Short tons)

Product code	Chemical and basis	January 1986		December 1985		January 1985	
		Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants
	Sulfuric acid (100%):[1]						
	Total gross	2,600,960	899,979	2,963,231	881,935	3,311,415	1,008,959
28193 10	Oleum grades	139,339	(X)	125,966	(X)	265,890	(X)
28193 31	Other than oleum grades	2,461,621		2,837,265		3,045,545	
28193 51	Sulfuric acid produced from decomposition of alkylation acid, other spent acids and sludge acid and included in above production figures	159,105	68,937	129,921	70,053	71,534	69,833
28193 71	Spent acid fortified in contact units and included in above production figures	23,150	3,916	14,569	3,379	12,388	11,064
	Total new acid[2]	2,418,705	(X)	2,818,741	(X)	3,227,493	(X)

(X) Not applicable.

[1] Includes data for Government-owned, contractor-operated plants.
[2] Total new acid equals total gross acid, minus fortified spent acid and sulfuric acid produced from the decomposition of alkylation acid, other spent acids and sludge acid.

Table 6. PRODUCTION OF SELECTED INORGANIC FERTILIZER MATERIALS, BY STATE

(Short tons)

State	Ammonia (100%)	Nitric acid (100%)	Phosphoric acid (100% P_2O_5)	Urea (100%)	Superphosphates and other phosphatic fertilizer materials (100% P_2O_5)	New sulfuric acid (100%)
January 1986						
United States	1,228,931	568,299	579,194	490,392	360,171	2,418,705
Alabama	(D)	(D)	-	(D)	(D)	(D)
Florida	(D)	59,167	307,290	(D)	195,417	965,924
Georgia	(D)	(D)	(D)	(D)	1,849	(D)
Illinois	(D)	20,239	11,958	(D)	(D)	48,030
Iowa	(D)	(D)	-	(D)	(D)	(D)
Louisiana	505,588	66,676	104,400	199,256	97,900	357,546
Missouri	(D)	41,422	(D)	(D)	(D)	10,668
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	-	28,243
Oklahoma	142,838	(D)	-	58,632	-	14,209
Tennessee	(D)	(D)	(D)	(D)	(D)	(D)
Texas	56,605	(D)	(D)	(D)	(D)	125,883
California	(D)	15,693	(D)	(D)	(D)	62,879
All other states	312,757	166,320	124,859	68,708	49,773	675,292
December 1985						
United States	r1,255,610	545,997	734,762	r439,052	420,755	2,818,741
Alabama	(D)	(D)	-	(D)	(D)	(D)
Florida	(D)	54,854	457,848	(D)	279,248	1,299,374
Georgia	(D)	(D)	(D)	(D)	3,577	(D)
Illinois	(D)	(D)	14,462	(D)	-	62,856
Iowa	(D)	(D)	-	(D)	(D)	(D)
Louisiana	550,673	68,972	104,151	173,681	81,226	379,208
Missouri	(D)	38,426	(D)	(D)	(D)	10,490
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	-	39,104
Oklahoma	123,630	35,952	-	(D)	-	15,323
Tennessee	(D)	(D)	3,057	(D)	(D)	(D)
Texas	80,479	(D)	(D)	(D)	(D)	110,349
California	-	17,827	(D)	(D)	(D)	49,214
All other states	282,646	161,057	129,309	74,826	36,705	720,152

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. Data are included in "All other states." r Revised by 5 percent or more from previously published figures.

Table 7A. PRODUCTION, INVENTORY, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED INORGANIC FERTILIZER MATERIALS: DECEMBER 1985

(Short tons)

Product code[1]	Product description	Beginning stock December 1985	Quantity produced	Imports for consumption[2]	Ending stock December 1985	Exports of domestic merchandise[3]	Apparent consumption[4]	Percent imports to apparent consumption
28731 30	Anhydrous ammonia, for fertilizer use..	1,891,673	1,148,836	249,780	2,128,200	89,611	1,072,478	23.3
28731 50	Ammonium nitrate, original solution....	292,105	484,944	40,579	251,873	38,681	527,074	7.7
28731 56 28731 58	Ammonium sulfate.....	271,145	162,436	37,246	299,523	30,763	140,541	26.5
28731 65 28731 66 28731 67	Nitrogen solutions.....	668,143	230,200	2,918	734,580	21	166,660	1.8
28732 --	Urea.....	662,311	439,052	296,530	661,821	45,835	690,237	43.0
28741 81 28741 85	Phosphoric acid.....	294,594	734,762	1,267	311,922	287,648	431,053	0.3
28742 15	Normal and enriched superphosphates[5]...	54,515	38,699	-	68,129	160	24,925	-
28742 41	Concentrated superphosphates[5].....	242,326	162,266	-	293,268	99,751	11,573	-
28742 52	Diammonium phosphates[5].....	625,934	607,428	8,492	626,844	304,299	310,711	2.7
28742 51 28742 55 28742 61	Monoammonium phosphates, other ammonium phosphates, and other phosphatic fertilizer materials[5].....	161,330	121,067	6,708	140,907	46,867	101,331	6.6
28193 00	Sulfuric acid.....	868,311	2,963,231	154,270	881,935	5,176	3,098,701	5.0

See footnotes at end of table 7B.

Table 7B. PRODUCTION, INVENTORY, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED INORGANIC FERTILIZER MATERIALS: NOVEMBER 1985--REVISED

(Short tons)

Product code[1]	Product description	Beginning stock November 1985	Quantity produced	Imports for consumption[2]	Ending stock November 1985	Exports of domestic merchandise[3]	Apparent consumption[4]	Percent imports to apparent consumption
28731 30	Anhydrous ammonia, for fertilizer use..	1,723,293	1,107,607	269,624	1,891,673	130,615	1,078,236	25.0
28731 50	Ammonium nitrate, original solution....	252,280	543,773	55,225	292,105	996	558,177	9.9
28731 56 28731 58	Ammonium sulfate.....	273,467	154,107	34,439	271,145	48,358	132,610	18.4
28731 65 28731 66 28731 67	Nitrogen solutions.....	627,414	225,254	14,112	668,143	31,716	166,921	8.5
28732 --	Urea.....	640,600	455,810	225,834	662,311	90,069	609,866	37.0
28741 81 28741 85	Phosphoric acid.....	266,823	799,202	2,424	294,594	183,002	610,853	0.4
28742 15	Normal and enriched superphosphates[5]...	42,232	41,423	67	54,515	-	29,207	0.2
28742 41	Concentrated superphosphates[5].....	186,721	225,710	-	242,326	115,288	54,817	-
28742 52	Diammonium phosphates[5].....	419,597	784,388	286	625,934	230,068	339,269	(Z)
28742 51 28742 55 28742 61	Monoammonium phosphates, other ammonium phosphates, and other phosphatic fertilizer materials[5].....	150,511	95,666	5,966	161,330	17,082	73,731	8.1
28193 00	Sulfuric acid[5].....	828,270	3,094,128	53,484	868,311	11,632	3,095,939	1.7

Note: This table includes only products covered in this report which are directly comparable for exports, imports, and domestic output.

- Represents zero. (Z) Less than one-half of 1 percent.

[1]For comparison of Standard Industrial Classification codes, Schedule B export numbers, and TSUSA import numbers, see table 8.
[2]Source: Bureau of the Census report IM 145-M, U.S. Imports for Consumption and General Imports.
[3]Source: Bureau of the Census report EX 546, U.S. Exports.
[4]Apparent consumption represents new domestic supply and is derived by subtracting exports from the total of manufacturers' production plus imports, and adjusting for changes in stocks.
[5]Gross weight.

Table 8. COMPARISON OF SIC CODES (DOMESTIC OUTPUT), SCHEDULE B EXPORT NUMBERS, AND TSUSA IMPORT NUMBERS

Domestic output	Export number	Import number
28731 12	(X)	416.2500
28731 34	480.6540	480.6540
28731 50	417.3000 480.6510	417.3000 480.6510
28731 61	417.3800	417.3800
28731 62	480.6530	480.6530
28731 65 28731 66 28731 67	480.6550	480.6550
28732 15	480.3000	480.3000
28741 81	416.3000	416.3000
28741 85	480.7015 480.7025	480.7010
28742 15	480.7030	480.7030
28742 41	480.7050	480.7050
28742 52	480.8005	480.8005
28742 51	480.7075	480.7070
28742 55	480.8010	480.8015
28742 61	480.8018	
28193 51 28193 10 28193 31	416.3500	416.3500

(X) Not applicable.

DESCRIPTION OF SURVEY

Scope of Surveys. This survey covers firms manufacturing inorganic fertilizer chemicals, phosphatic fertilizer materials, and sulfuric acid, except spent sulfuric acid recovered by hydrolysis and evaporation.

Survey Methodology. The statistics in this publication were collected on Bureau of the Census monthly Forms M28B, Sulfuric Acid; M28B.1, Inorganic Fertilizer Materials; and M28B.2, Phosphatic Fertilizer Materials, from a survey panel of all known manufacturers of these products (including Government-owned plants). Approximately 100 establishments are mailed Form M28B; 155, Form M28B.1; and 50, Form M28B.2.

Survey Error. Figures for the current month may include estimates for panel members for which reports were not received in time for tabulation. Such missing figures are "imputed" based on month-to-month movements shown by reporting firms. Imputation generally is limited to a maximum of 20 percent for any one data cell. Figures with imputation rates greater than 20 percent are footnoted.

The imputation rate is not an explicit indicator of the potential error in published figures due to nonresponse because the actual monthly movements for nonrespondents may or may not closely agree with the imputed movements. The range of difference between the actual and imputed figures is not precisely known, but is assumed to be small. The degree of uncertainty regarding the accuracy of the published data, however, increases as the percentage of imputation increases. Figures with imputation rates above 20 percent should be used with caution.

Revisions to Previous Period Data. Statistics for previous months may be revised as the result of corrected data from respondents, including the receipt of late reports for which imputations were made as described above. Figures which have been revised by more than 5 percent from previously published figures are indicated by footnotes.

Reporting Period Adjustment. The data are adjusted for the number of working days in the reporting period to compensate for differences in individual company reporting patterns, i.e., calendar month, 4-week, 5-week periods. Since the calendar month accounting system prevails in this industry, adjustments have been made to those reporting on other than a calendar month basis.

EXPLANATION OF TERMS

Production—Data shown for production represent total quantity of each product produced, including quantity consumed in the plant or sold or transferred to other plants or warehouses of the same company. Products produced under toll agreements are reported by the establishment which owns the raw material from which the products are produced. The data provide a measure of total production, but do not necessarily indicate amounts entering the market since, in some cases, figures are included for material produced as an intermediate process in the production of other end products.

Stocks—Data shown for stocks represent quantities on hand at the end of the month at producing locations only unless footnoted to indicate that they represents total stocks of producing companies including amounts held at locations other than producing plants.

Sulfuric Acid—Represents quantities produced from all sources which are available for sale except for the amounts recovered by processes other than fortification. Includes amounts produced from the oxidation of sulfur or sulfur bearing material and from the decomposition of spent acids. Excludes sulfuric acid recovered by hydrolysis and evaporation and intermediate production where sulfuric acid is not withdrawn from the system.

Sulfuric Acid Produced from Decomposition—Includes acid produced from the decompositon of alkylation and other spent acids, including sulfuric acid sludge decomposed to SO_2.

Spent Acid Used in Fortification—Includes spent acid used only to manufacture fortified acid.

Normal and Enriched Superphosphates—All grades containing less than 40 percent available phosphoric oxide (P_2O_5).

Concentrated (triple) Superphosphates—Grades containing 40 percent or more phosphoric oxide (P_2O_5).

Ammonium Phosphates—Includes a group of nitrogen-phosphorus materials— monoammoniumn phosphates and diammonium phosphates, mixtures of the two, or combinations with ammonium nitrate or ammonium sulfate. Ammonium polyphosphate is also included.

Monoammonium Phosphates—Chemically processed nitrogen-phosphorus materials containing 50 percent or more primary nutrients and having a phosphate to nitrogen ratio of 3 to 1 or greater.

Diammonium Phosphates—Chemically processed nitrogen-phosphorus materials comprising fertilizer grades containing 18 to 21 percent nitrogen (N), and 46 to 54 percent phosphoric oxide (P_2O_5).

Other Ammonium Phosphates—Chemically processed nitrogen-phosphorus materials, solid and fluid, including mixtures of monoammonium, diammonium, and ammonium sulfate. Excludes ammonium phosphate produced in combination with potash salts to make a complete mixture.

Other Phosphatic Fertilizer Materials—Chemically processed materials such as ammonium phosphate potash mixtures, nitrophosphates, calcium metaphosphates, sodium phosphates, wet base goods made by treating phosphate rock and some organic nitrogenous material with sulfuric acid.

Fertilizer Year— Additional tables that summarize monthly data for the fertilizer year (July 1 to June 30) are included in the July publication. Beginning with the July 1981 report, table 1, "Summary of Production of Principal Inorganic Fertilizers," of each monthly publication, contains both annual and fertilizer year totals.

COMPARISON OF EXPORT, IMPORT, AND DOMESTIC OUTPUT DATA

The Standard Industrial Classification (SIC) system used for domestic output and the statistical export and import commodity classifications were developed independently. This results in considerable difficulty in comparing the three types of data for many commodity areas. The domestic output classification is based on type of industry; on the other hand, the export and import classification system is more materials oriented. Also, there are a substantial number of imported commodities which have no comparable domestic output classification. The relationships shown in this report should be considered only as approximations, since, in addition to the problems mentioned above, there are also the following problems affecting the comparability of the three sets of data.

Valuation. There are different methods of valuation for the three types of data:

- *Domestic Output*—Valued at the point of production. It includes the net sales price, f.o.b. plant, after discounts and allowances, exclusive of freight charges and excise taxes.

- *Exports*— Valued at the point of exportation. It includes the selling price, or cost if not sold, and inland freight, insurance and other charges to the export point. Estimated producers' values of exports have also been developed. These values more closely approximate the values reported for domestic output because they exclude freight, insurance, and other charges applied from the producing plant to the export point.

- *Imports*— Valued at the first port of entry in the United States. It includes c.i.f. (cost, insurance, and freight), duty, and other charges to the import point.

Duplication in Quantity and Value of Output. Because producers' shipments of some commodities may be used as materials for incorporation into other commodities, combinations of data for such commodities may contain a certain amount of duplication. Thus, percentages of exports to output or imports to apparent consumption (output plus imports minus exports) at four-digit or broader levels may be understated. Where duplication is known to be substantial, the output data are appropriately noted in the table.

Low-Value Export and Import Transactions. Detailed commodity information is not included for individual export shipments valued at not more than $1,000. Generally, detailed commodity information is not included for individual import shipments valued at not more than $1,000. For textiles and textile products, gloves footwear, and miscellaneous rubber and plastics products, detailed commodity information is not included for individual import shipments valued at not more than $250. This is believed to have only negligible effects on the statistics for the bulk of the commodities.

Manufacturers' Shipments, Not Specified by Kind. The value of manufacturers' shipments at the four-digit industry level often includes a small amount which is not distributed among the individual five-digit product classes. Export and import percentages at the more detailed levels might, therefore, be slightly overstated.

Time Lag Between Output and Exports. There will be a lag between the time a commodity is produced or shipped by the producer and the time it is actually exported, especially when intermediaries (wholesalers, exporters, etc.) are involved. Ordinarily, this type of discrepancy is insignificant in annual figures.

"Direct" vs "Total" Commodity Exports and Imports. Export and import data do not include materials which are incorporated into other more finished products and exported or imported in finished form. Thus, by showing only direct exports and imports, the relation of exports to output and imports to apparent consumption for intermediate products is considerably understated.

Used Commodities. With a few exceptions, used or rebuilt commodities are classified in the same import or export codes as is new merchandise. Percentages are thus overstated to the extent that used or rebuilt products are significant in trade.

Geographic Area of Coverage. Import and export data reflect the movement of merchandise into and out of U.S. foreign trade zones, the U.S. Virgin Islands, and the U.S. customs territory (includes the 50 States, the District of Columbia, and Puerto Rico).

RELATED REPORTS

An annual Current Industrial Report MA28B, Inorganic Fertilizer Chemicals and Related Products, is also published in this series. The annual report summarizes monthly figures and incorporates known revisions in the series for both the current and previous year. Series MA28B also includes detailed information on shipments, interplant transfers and captive use of most of the inorganic fertilizers chemicals.

The Bureau of the Census publishes the following related reports:

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M28B(86)-2
Issued April 1986

The statistics in this report are based on a survey of producers of sulfuric acid, inorganic fertilizer chemicals, and phosphatic fertilizer material. The statistics represent total production and stocks of U.S. manufacturers of nitric acid, sulfuric acid, ammonia, and phosphatic fertilizer materials. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report, M28B(86)-1, issued March 1986.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. The electronic version of this report will be available approximately one week earlier than the printed report. The CENDATA report for March 1986 will be released on or about May 5, 1986. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF PRINCIPAL INORGANIC FERTILIZERS: 1984 TO 1986

(1,000 short tons)

Month and year	Ammonia, synthetic anhydrous (28731 31) (100%)	Ammonium nitrate original solution (28731 50)	Ammonium sulfate (28731 61 162)	Urea (28732 15) (100%)	Nitric acid (28731 12) (100%)	Phosphoric acid (28741 81 185) (100% P_2O_5)	Sulfuric acid, gross (28193 00) (100%)	Phosphatic fertilizer materials (28742 00) (100% P_2O_5)
1986								
February	1,180	521	169	504	584	666	2,736	403
January	1,237	481	172	495	568	579	2,608	360
1985								
Total	16,201	6,906	2,049	6,556	7,778	10,492	39,615	6,986
December	1,256	485	162	439	546	735	2,963	421
November	1,198	544	154	456	638	799	3,094	511
October	1,327	561	185	534	650	922	3,409	542
September	1,241	532	165	453	621	919	3,375	565
August	1,231	508	162	448	594	802	3,248	557
July	1,312	556	175	495	613	842	3,321	612
Fertilizer year (July 1984-June 1985)	16,959	7,179	2,076	7,489	7,867	11,341	41,197	7,898
June	1,407	607	159	597	682	847	3,324	594
May	1,460	665	195	646	720	914	3,350	648
April	1,463	628	172	623	698	968	3,540	651
March	1,485	644	186	672	708	996	3,553	664
February	1,359	552	163	586	627	860	3,127	593
January	1,462	624	171	607	681	888	3,311	628
1984								
Total	16,692	7,146	2,067	7,433	7,726	11,370	41,802	8,020
December	1,343	614	169	682	655	1,001	3,590	649
November	1,482	589	177	672	635	1,002	3,364	681
October	1,414	602	189	717	628	1,019	3,601	702
September	1,330	562	178	621	623	980	3,445	704
August	1,348	518	164	509	576	977	3,583	712
July	1,206	574	153	557	634	889	3,409	672
Fertilizer year (July 1983-June 1984)	15,407	6,630	2,046	6,557	7,385	10,579	40,121	7,384
June	1,291	576	169	601	663	897	3,423	618
May	1,450	624	183	631	699	933	3,502	654
April	1,482	631	165	651	653	935	3,564	650
March	1,489	644	181	666	690	985	3,656	705
February	1,336	609	176	592	656	876	3,357	636

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Gisela B. Hoffman, (301) 763-7807.

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Table 2. PRIMARY PRODUCTION AND STOCKS OF NITROGENOUS FERTILIZER MATERIALS

(Short tons)

Product code	Chemical and basis	February 1986 Quantity produced	February 1986 Stocks held by producing companies[1]	January 1986 Quantity produced	January 1986 Stocks held by producing companies[1]	February 1985 Quantity produced	February 1985 Stocks held by producing companies[1]
	Ammonia:						
28731 31	Synthetic, anhydrous (100%)	1,180,197	2,452,571	1,237,154	2,321,561	1,358,861	2,484,424
28731 30	Fertilizer use	1,120,676	2,413,903	1,168,819	2,277,859	1,258,650	2,412,567
28731 32	Other uses	59,521	38,668	68,335	43,702	100,211	71,857
	Ammonium nitrate (100%):						
28731 50	Original solution[1]	520,712	214,763	481,206	235,482	552,411	232,022
	Fertilizer use:						
28731 52	Solution produced for sale as such for direct application	40,885	60,206	50,525	63,151	32,647	37,197
28731 54	Solution produced for consumption in the manufacture of nitrogen solutions or other fertilizer materials	171,962	28,635	158,172	29,219	188,586	41,538
28731 51	Solid	188,829	250,224	173,435	244,015	224,392	291,751
28731 53	Other uses[2]	103,862	57,174	95,037	55,528	91,190	56,891
28731 57	Ammonium sulfate (100%)[3]	168,925	323,498	172,464	308,449	162,995	295,510
28731 56	Synthetic	(D)	29,861	(D)	30,143	(D)	(D)
28731 58	Byproduct, other than coke oven	(D)	293,637	(D)	278,306	(D)	(D)
	Nitrogen solutions, including mixtures (100% N)	246,936	[4]697,024	235,447	[4]691,309	216,108	[4]719,418
28731 65	Solutions containing ammonia	[4](S)	[4]171,036	[4](S)	[4]180,271	[4](S)	[4]177,091
28731 66	Ammonium nitrate/urea solutions	206,355	525,988	190,995	511,038	165,515	542,327
28731 67	All other	(4)	(4)	(4)	(4)	(4)	(4)
28731 12	Nitric acid (100%)[5]	583,943	(X)	568,299	(X)	626,939	(X)
28732 —	Urea (100%)	504,135	575,362	494,724	602,996	586,162	685,408
	For fertilizer use:						
28732 16	Solutions produced as intermediate in nitrogen solutions	203,520	1,203	157,147	798	216,764	(D)
28732 18	Solid	267,040	553,715	294,457	583,194	344,830	644,537
	Other uses:						
28732 21	Feed (solid and solution)	7,404	(D)	13,178	(D)	6,878	(D)
28732 22	All other (solid and solution)	[a]26,169	(D)	29,942	(D)	17,690	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): [a]20 percent or more of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census. (X) Not applicable.

[1]Stocks held by producing companies include amounts held at their nonproducing locations.
[2]Production represents total amount of ammonium nitrate produced including amounts used for fertilizer, explosive, and other uses, and amounts consumed in manufacturing other products, such as nitrogen solutions. Stocks represent total stocks held by producing companies, including stock of original solution and amounts (liquid and solid) reported as fertilizer, explosives, or other uses.
[3]Excludes coke oven byproduct ammonium sulfate.
[4]"All other nitrogen solutions" is combined with "Solutions containing ammonia," to avoid disclosing figures for individual companies.
[5]Includes data for Government-owned, contractor-operated plants.

Table 3. PRIMARY PRODUCTION, SHIPMENTS, AND STOCKS OF PHOSPHORIC ACID

(Short tons)

Product code	Chemical and basis	February 1986 Quantity produced	February 1986 Quantity shipped	February 1986 Stocks held by producing companies	January 1986 Quantity produced	January 1986 Quantity shipped	January 1986 Stocks held by producing companies	February 1985 Quantity produced	February 1985 Quantity shipped	February 1985 Stocks held by producing companies
	Phosphoric acid (100% phosphoric oxide)	666,377	328,274	239,005	578,540	277,518	239,975	823,406	335,254	349,661
28741 81	Thermal	55,210	21,479	14,570	47,985	19,046	13,893	48,154	18,854	15,328
28741 85	Wet	611,167	306,795	224,435	530,555	258,472	226,082	775,252	316,400	334,333
	By use:									
28741 86	Fertilizer	575,011	(X)	(D)	497,941	(X)	(D)	733,77	(X)	(D)
28741 87	Feed and other	36,156	(X)	(D)	32,614	(X)	(D)	41,475	(X)	(D)
	By grade:									
28741 88	Ortho (less than 65% P_2O_5)	475,149	(X)	(D)	426,362	(X)	(D)	657,663	(X)	(D)
28741 89	Super (more than 65% P_2O_5)	136,018	(X)	(D)	104,193	(X)	(D)	117,589	(X)	(D)

(D) Data withheld to avoid disclosing figures for individual companies, but are included in higher level. (X) Not applicable.

Table 4. PRODUCTION, SHIPMENTS, CONSUMPTION, AND STOCKS OF SUPERPHOSPHATE AND OTHER PHOSPHATIC FERTILIZER MATERIALS, BY TYPE

(Short tons)

Product code	Product description	Basis	February 1986	January 1986	February 1985
28742 —	Superphosphate and other phosphatic fertilizer materials:				
	Production:				
	Gross weight	.....	903,741	800,043	1,252,788
	Phosphoric oxide content	100% P_2O_5	402,972	360,170	557,842
	Shipments, including interplant transfers	..do	474,199	427,233	528,397
	Used in plants (captive)	..do	6,573	4,327	10,535
	Stocks on hand, end of month	Gross wt	836,951	999,912	1,078,835
28742 15	Normal and enriched:				
	Production:				
	Gross weight	.....	[a]37,775	[a]21,811	[a]50,100
	Phosphoric oxide content	100% P_2O_5	[a]7,602	[a]4,471	9,950
	Shipments, including interplant transfers	..do	[a]2,720	[a]1,898	[a]4,427
	Used in plants (captive)	..do	[a]5,881	[a]4,166	10,240
	Stocks on hand, end of month	Gross wt	[a]71,520	[a]68,686	[a]68,056
28742 41	Concentrated:				
	Production:				
	Gross weight	.....	146,756	108,919	148,465
	Phosphoric oxide content	100% P_2O_5	68,339	51,016	69,045
	Shipments, including interplant transfers	..do	106,351	73,705	82,160
	Used in plants (captive)	..do	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt	158,477	243,847	188,580
	Ammonium phosphate:				
28742 51	Monoammonium phosphates:				
	Production:				
	Gross weight	.....	87,290	53,092	106,500
	Nitrogen content	100% N	11,178	7,241	12,229
	Phosphoric oxide content	100% P_2O_5	44,985	27,584	55,776
	Shipments, including interplant transfers	..do	45,277	37,495	51,258
	Used in plants (captive)	..do	-	(D)	(D)
	Stocks on hand, end of month	Gross wt	66,483	[r]67,231	75,745
28742 52	Diammonium phosphates:				
	Production:				
	Gross weight	.....	577,109	569,359	881,413
	Nitrogen content	100% N	100,311	100,582	155,201
	Phosphoric oxide content	100% P_2O_5	267,814	263,282	408,591
	Shipments, including interplant transfers	..do	308,397	296,840	380,950
	Used in plants (captive)	..do	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt	469,488	561,190	649,003
28742 55	Other ammonium phosphates:				
	Production:				
	Gross weight	.....	[1]54,811	[1]46,862	[1]66,290
	Nitrogen content	100% N	[1]8,406	[1]5,941	[1]9,472
	Phosphoric oxide content	100% P_2O_5	[1]14,232	[1]13,817	[1]14,480
	Shipments, including interplant transfers	..do	[1]11,454	[1]17,295	[1]9,602
	Used in plants (captive)	..do	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt	[1]70,983	[1]58,958	[1]97,451
28742 61	Other phosphatic fertilizer materials:				
	Production:				
	Gross weight	.....	(1)	(1)	(1)
	Nitrogen content	100% N	(1)	(1)	(1)
	Phosphoric oxide content	100% P_2O_5	(1)	(1)	(1)
	Shipments, including interplant transfers	..do	(1)	(1)	(1)
	Used in plants (captive)	..do	(1)	(1)	(1)
	Stocks on hand, end of month	Gross wt	(1)	(1)	(1)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): [a]20 percent or more of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. N = Nitrogen content. P_2O_5 = Phosphoric oxide content. [r]Revised by 5 percent or more from previously published figures.

[1]Other ammonium phosphates is combined with other phosphatic fertilizer materials to avoid disclosure of figures for individual companies.

Table 5. PRIMARY PRODUCTION AND STOCKS OF SULFURIC ACID

(Short tons)

Product code	Chemical and basis	February 1986		January 1986		February 1985	
		Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants
	Sulfuric acid (100%):[1]						
	Total gross	2,735,826	851,154	2,607,564	904,343	3,126,552	944,443
28193 10	Oleum grades	143,954	(X)	140,353	(X)	296,579	(X)
28193 31	Other than oleum grades	2,591,872		2,467,211		2,829,973	
28193 51	Sulfuric acid produced from decomposition of alkylation acid, other spent acids and sludge acid and included in above production figures	160,542	58,877	162,209	68,937	71,425	50,966
28193 71	Spent acid fortified in contact units and included in above production figures	18,439	4,568	23,150	3,916	15,688	9,987
	Total new acid[2]	2,556,845	(X)	2,422,205	(X)	3,039,439	(X)

(X) Not applicable.

[1] Includes data for Government-owned, contractor-operated plants.

[2] Total new acid equals total gross acid, minus fortified spent acid and sulfuric acid produced from the decomposition of alkylation acid, other spent acids and sludge acid.

Table 6. PRODUCTION OF SELECTED INORGANIC FERTILIZER MATERIALS, BY STATE

(Short tons)

State	Ammonia (100%)	Nitric acid (100%)	Phosphoric acid (100% P_2O_5)	Urea (100%)	Superphosphates and other phosphatic fertilizer materials (100% P_2O_5)	New sulfuric acid (100%)
FEBRUARY 1986						
United States	1,180,197	583,943	666,377	504,133	402,972	2,556,845
Alabama	(D)	(D)	-	(D)	(D)	(D)
Florida	(D)	53,213	321,296	(D)	222,961	1,057,845
Georgia	(D)	(D)	(D)	(D)	3,821	(D)
Illinois	(D)	22,533	13,385	(D)	(D)	50,121
Iowa	(D)	(D)	-	(D)	(D)	(D)
Louisiana	472,652	65,264	137,450	190,450	116,880	435,457
Missouri	(D)	43,744	(D)	(D)	(D)	11,529
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	(D)	29,449
Oklahoma	162,177	(D)	-	76,778	-	14,435
Tennessee	(D)	(D)	(D)	(D)	(D)	(D)
Texas	48,539	(D)	(D)	(D)	(D)	104,886
California	(D)	14,799	(D)	(D)	(D)	56,557
All other states	278,410	188,497	159,799	66,137	41,985	673,230
JANUARY 1986						
United States	1,237,154	568,299	578,540	494,724	360,170	2,422,205
Alabama	(D)	(D)	-	(D)	(D)	(D)
Florida	(D)	59,167	307,290	(D)	195,417	965,924
Georgia	(D)	(D)	(D)	(D)	1,849	(D)
Illinois	(D)	16,455	11,958	(D)	(D)	48,030
Iowa	(D)	(D)	-	(D)	(D)	(D)
Louisiana	505,588	66,676	104,400	199,256	97,900	359,319
Missouri	(D)	41,422	(D)	(D)	(D)	10,668
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	-	28,243
Oklahoma	142,838	(D)	-	58,632	-	14,209
Tennessee	(D)	(D)	(D)	(D)	(D)	(D)
Texas	56,605	(D)	(D)	(D)	(D)	125,436
California	(D)	15,693	(D)	(D)	(D)	62,877
All other states	312,663	170,104	124,205	73,037	49,773	677,468

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. Data are included in "All other states."

Table 7. PRODUCTION, INVENTORY, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED INORGANIC FERTILIZER MATERIALS: JANUARY 1986

(Short tons)

Product code[1]	Product description	Beginning stock January 1986	Quantity produced	Imports for consumption[2]	Ending stock January 1986	Exports of domestic merchandise[3]	Apparent consumption[4]	Percent imports to apparent consumption
28731 30	Anhydrous ammonia, for fertilizer use..	2,128,200	1,168,819	217,978	2,277,859	62,237	1,174,901	18.6
28731 50	Ammonium nitrate, original solution....	251,873	481,206	91,116	235,482	1,382	587,331	15.5
28731 56 28731 58	Ammonium sulfate.....	299,523	172,464	33,165	308,449	93,253	103,450	32..
28731 65 28731 66 28731 67	Nitrogen solutions.....	734,580	235,447	10,390	691,309	45,363	243,745	4.3
28732 —	Urea.....	661,821	494,724	333,340	602,996	9,508	879,381	38.1
28741 81 28741 85	Phosphoric acid.....	280,044	666,377	4,585	239,975	(S)	(S)	(S)
28742 15	Normal and enriched superphosphates[5]...	68,129	21,811	-	68,686	183	21,071	-
28742 41	Concentrated superphosphates[5].....	293,268	108,919	-	243,847	70,198	88,142	-
28742 52	Diammonium phosphates[5].....	626,844	569,359	1,095	561,190	237,174	398,934	0.3
28742 51 28742 55 28742 61	Monoammonium phosphates, other ammonium phosphates, and other phosphatic fertilizer materials[5].....	140,907	99,954	16,360	126,189	18,666	112,366	14.6
28193 00	Sulfuric acid.....	881,935	2,607,564	71,429	904,343	6,534	2,650,051	2.7

- Represents zero. (S) Suppressed. Data did not meet publication standards of the Bureau of Census.

[1]For comparison of Standard Industrial Classification codes, Schedule B export numbers, and TSUSA import numbers, see table 8 in the January 1986 report, M28B(86)-1, issued March 1986.

[2]Source: Bureau of the Census report IM 145-K, U.S. Imports for Consumption and General Imports.

[3]Source: Bureau of the Census report EX 546, U.S. Exports.

[4]Apparent consumption represents new domestic supply and is derived by subtracting exports from the total of manufacturers' production plus imports, and adjusting for changes in stocks.

[5]Gross weight.

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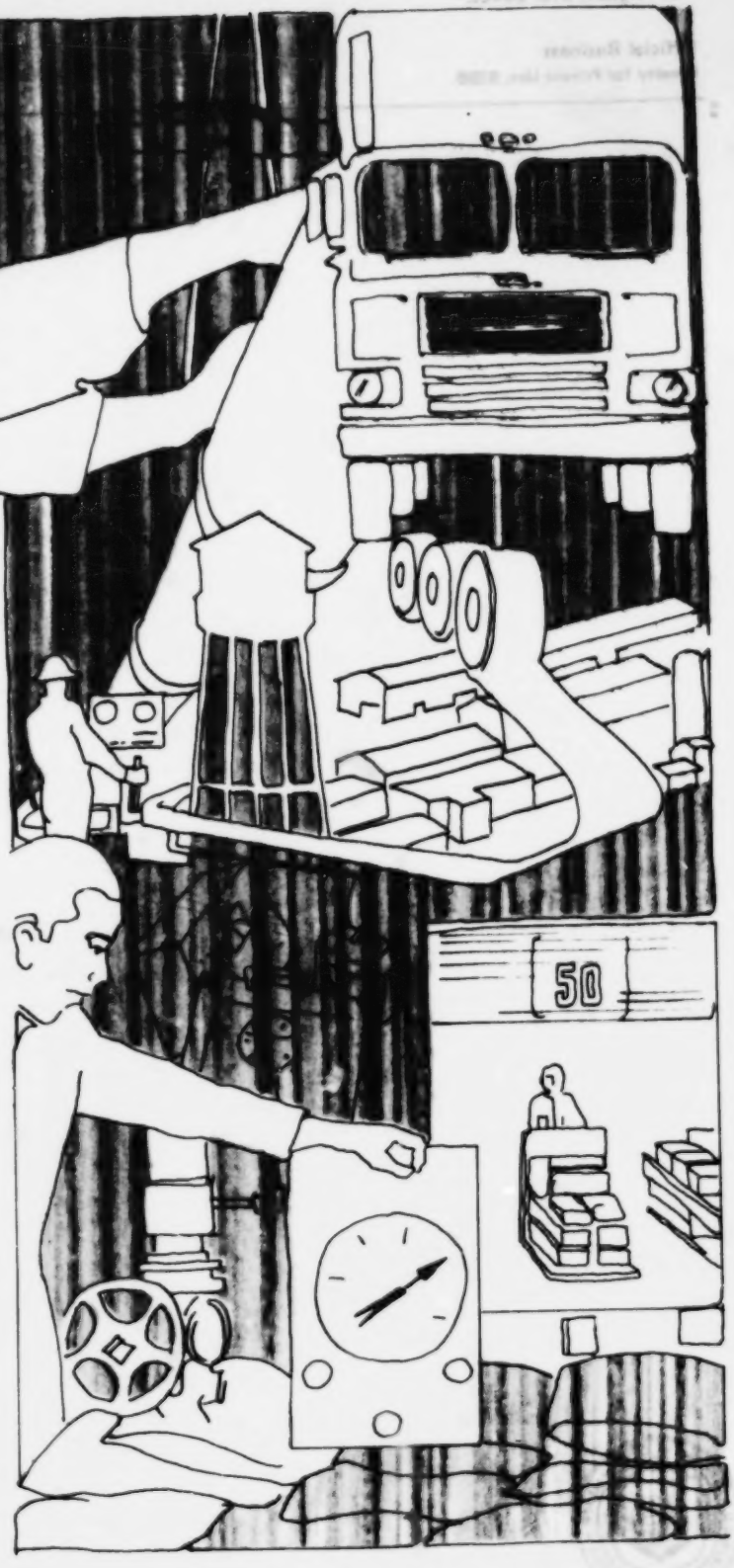

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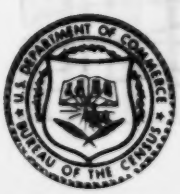

M28B(86)-3

CURRENT INDUSTRIAL REPORTS

Inorganic Fertilizer Materials and Related Products

MARCH 1986

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M28B(86)-3
Issued May 1986

The statistics in this report are based on a survey of producers of sulfuric acid, inorganic fertilizer chemicals, and phosphatic fertilizer material. The statistics represent total production and stocks of U.S. manufacturers of nitric acid, sulfuric acid, ammonia, and phosphatic fertilizer materials. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report, M28B(86)-1, issued March 1986.

This report is available electronically in CENDATA, the Bureau's online information service, through a commercial vendor. The electronic version of this report will be available approximately one week earlier than the printed report. The CENDATA report for April 1986 will be released on or about June 5, 1986. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF PRINCIPAL INORGANIC FERTILIZERS: 1984 TO 1986

(1,000 short tons)

Month and year	Ammonia, synthetic anhydrous (28731 31) (100%)	Ammonium nitrate original solution (28731 50)	Ammonium sulfate (28731 61 162)	Urea (28732 15) (100%)	Nitric acid (28731 12) (100%)	Phosphoric acid (28741 81 185) (100% P_2O_5)	Sulfuric acid, gross (28193 00) (100%)	Phosphatic fertilizer materials (28742 00) (100% P_2O_5)
1986								
March	1,254	613	193	546	691	842	3,254	490
February	1,180	521	169	522	584	666	2,736	403
January	1,237	481	172	495	568	579	2,608	360
1985								
Total	16,201	6,906	2,049	6,536	7,778	10,492	39,615	6,986
December	1,256	485	162	439	546	735	2,963	421
November	1,198	544	154	456	638	799	3,094	511
October	1,327	561	185	534	650	922	3,409	542
September	1,241	532	165	453	621	919	3,375	565
August	1,231	508	162	448	594	802	3,248	557
July	1,312	556	175	495	613	842	3,321	612
Fertilizer year (July 1984-June 1985)	16,959	7,179	2,076	7,489	7,867	11,341	41,197	7,898
June	1,407	607	159	597	682	847	3,324	594
May	1,460	665	195	646	720	914	3,350	648
April	1,463	628	172	623	698	968	3,540	651
March	1,485	644	186	672	708	996	3,553	664
February	1,359	552	163	586	627	860	3,127	593
January	1,462	624	171	607	681	888	3,311	628
1984								
Total	16,692	7,146	2,067	7,433	7,726	11,370	41,802	8,020
December	1,543	614	169	682	655	1,001	3,590	649
November	1,482	589	177	672	635	1,002	3,364	681
October	1,414	602	189	717	628	1,019	3,601	702
September	1,330	562	178	621	623	980	3,445	704
August	1,348	518	164	509	576	977	3,583	712
July	1,206	574	153	557	634	889	3,409	672
Fertilizer year (July 1983-June 1984)	15,407	6,630	2,046	6,557	7,385	10,579	40,121	7,584
June	1,291	576	169	601	663	897	3,423	618
May	1,450	624	183	631	699	933	3,502	654
April	1,482	631	165	651	653	935	3,564	650
March	1,489	644	181	666	690	985	3,656	705

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Gisela B. Hoffman, (301) 763-7807.

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Table 2. PRIMARY PRODUCTION AND STOCKS OF NITROGENOUS FERTILIZER MATERIALS

(Short tons)

Product code	Chemical and basis	March 1986		February 1986		March 1985	
		Quantity produced	Stocks held by producing companies[1]	Quantity produced	Stocks held by producing companies[1]	Quantity produced	Stocks held by producing companies[1]
	Ammonia:						
28731 31	Synthetic, anhydrous (100%)	1,253,540	2,442,267	1,180,103	2,486,599	1,485,397	2,418,532
28731 30	Fertilizer use	1,164,644	2,403,928	1,120,676	2,448,025	1,390,210	2,360,781
28731 32	Other uses	88,896	38,339	59,427	38,574	95,187	57,751
	Ammonium nitrate (100%):						
28731 50	Original solution[1]	612,864	183,149	520,712	214,763	643,957	143,388
	Fertilizer use:						
28731 52	Solution produced for sale as such for direct application	57,319	43,100	40,885	60,206	52,599	35,862
28731 54	Solution produced for consumption in the manufacture of nitrogen solutions or other fertilizer materials	212,879	31,323	171,962	28,635	242,052	32,047
28731 51	Solid	235,678	199,430	188,829	250,224	242,811	194,319
28731 53	Other uses[2]	115,935	65,716	110,505	57,174	108,196	57,256
28731 57	Ammonium sulfate (100%)[3]	192,638	246,284	168,925	323,498	185,915	167,421
28731 56	Synthetic	(D)	(D)	(D)	(D)	(D)	(D)
28731 58	Byproduct, other than coke oven	(D)	(D)	(D)	(D)	(D)	(D)
	Nitrogen solutions, including mixtures (100% N)	279,754	747,205	246,393	706,281	291,225	717,646
28731 65	Solutions containing ammonia	[4](S)	[4]180,914	[4](S)	[4]171,036	[4](S)	[4]161,496
28731 66	Ammonium nitrate/urea solutions	228,325	566,291	206,352	535,245	234,862	556,150
28731 67	All other	([4])	([4])	([4])	([4])	([4])	([4])
28731 12	Nitric acid (100%)[5]	691,430	(X)	583,943	(X)	708,184	(X)
28732 --	Urea (100%)	545,981	513,279	521,826	593,460	672,281	556,619
	For fertilizer use:						
28732 16	Solutions produced as intermediate in nitrogen solutions	224,521	1,045	r203,520	1,203	246,168	(D)
28732 18	Solid	295,842	496,209	r293,046	571,814	397,931	521,744
	Other uses:						
28732 21	Feed (solid and solution)	7,573	(D)	7,404	(D)	8,095	(D)
28732 22	All other (solid and solution)	18,045	(D)	r17,856	(D)	20,087	(D)

(D) Data withheld to avoid disclosing figures for individual companies. rRevised by 5 percent or more from previously published figures.
(S) Suppressed. Data did not meet publication standards of the Bureauof the Census. (X) Not applicable.

[1]Stocks held by producing companies include amounts held at their nonproducing locations.
[2]Production represents total amount of ammonium nitrate produced including amounts used for fertilizer, explosive, and other uses, and amounts consumed in manufacturing other products, such as nitrogen solutions. Stocks represent total stocks held by producing companies, including stock of original solution and amounts (liquid and solid) reported as fertilizer, explosives, or other uses.
[3]Excludes coke oven byproduct ammonium sulfate.
[4]"All other nitrogen solutions" is combined with "Solutions containing ammonia," to avoid disclosing figures for individual companies.
[5]Includes data for Government-owned, contractor-operated plants.

Table 3. PRIMARY PRODUCTION, SHIPMENTS, AND STOCKS OF PHOSPHORIC ACID

(Short tons)

Product code	Chemical and basis	March 1986			February 1986			March 1985		
		Quantity produced	Quantity shipped	Stocks held by producing companies	Quantity produced	Quantity shipped	Stocks held by producing companies	Quantity produced	Quantity shipped	Stocks held by producing companies
	Phosphoric acid (100% phosphoric oxide)	842,089	404,619	223,018	666,348	328,274	239,005	996,281	455,828	261,891
28741 81	Thermal	58,074	23,086	16,986	55,210	21,479	14,570	59,731	23,897	14,717
28741 85	Wet	784,015	381,533	206,032	611,138	306,795	224,435	936,550	431,931	247,174
	By use:									
28741 86	Fertilizer	751,362	(X)	(D)	574,982	(X)	(D)	886,124	(X)	(D)
28741 87	Feed and other	32,653	(X)	(D)	36,156	(X)	(D)	50,426	(X)	(D)
	By grade:									
28741 88	Ortho (less than 65% P_2O_5)	635,074	(X)	(D)	474,386	(X)	(D)	797,412	(X)	211,467
28741 89	Super (more than 65% P_2O_5)	148,941	(X)	(D)	136,752	(X)	(D)	139,138	(X)	35,707

(D) Data withheld to avoid disclosing figures for individual companies, but are included in higher level. (X) Not applicable.

Table 4. PRODUCTION, SHIPMENTS, CONSUMPTION, AND STOCKS OF SUPERPHOSPHATE AND OTHER PHOSPHATIC FERTILIZER MATERIALS, BY TYPE

(Short tons)

Product code	Product description	Basis	March 1986	February 1986	March 1985
28742 --	Superphosphate and other phosphatic fertilizer materials:				
	Production:				
	Gross weight	.....	1,086,010	903,741	1,476,145
	Phosphoric oxide content	100% P_2O_5	490,331	402,972	664,397
	Shipments, including interplant transfers	..do.	535,928	474,199	710,460
	Used in plants (captive)	..do.	7,292	[r]6,098	10,302
	Stocks on hand, end of month	Gross wt.	766,503	834,229	990,521
28742 15	Normal and enriched:				
	Production:				
	Gross weight	.....	38,984	37,775	[a]54,673
	Phosphoric oxide content	100% P_2O_5	7,974	7,602	10,906
	Shipments, including interplant transfers	..do.	[a]3,825	[a]2,720	[a]5,165
	Used in plants (captive)	..do.	[a]7,120	[a]5,881	9,937
	Stocks on hand, end of month	Gross wt.	[a]64,850	[a]71,520	43,050
28742 41	Concentrated:				
	Production:				
	Gross weight	.....	194,511	146,756	217,368
	Phosphoric oxide content	100% P_2O_5	90,347	68,339	100,744
	Shipments, including interplant transfers	..do.	105,531	106,351	110,080
	Used in plants (captive)	..do.	-	(D)	(D)
	Stocks on hand, end of month	Gross wt.	122,424	158,477	170,454
28742 51	Ammonium phosphate:				
	Monoammonium phosphates:				
	Production:				
	Gross weight	.....	157,382	87,290	157,453
	Nitrogen content	100% N.	16,397	11,178	18,142
	Phosphoric oxide content	100% P_2O_5	81,386	44,985	82,390
	Shipments, including interplant transfers	..do.	64,361	45,277	85,246
	Used in plants (captive)	..do.	-	-	(D)
	Stocks on hand, end of month	Gross wt.	97,521	63,761	64,936
28742 52	Diammonium phosphates:				
	Production:				
	Gross weight	.....	631,916	577,109	976,707
	Nitrogen content	100% N.	112,806	100,311	169,587
	Phosphoric oxide content	100% P_2O_5	293,541	267,814	451,683
	Shipments, including interplant transfers	..do.	340,506	308,397	492,434
	Used in plants (captive)	..do.	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt.	421,546	469,488	605,747
28742 59	Other ammonium phosphates:				
	Production:				
	Gross weight	.....	63,217	[1]54,811	[1]69,944
	Nitrogen content	100% N.	8,849	[1]8,406	[1]10,306
	Phosphoric oxide content	100% P_2O_5	17,083	[1]14,232	[1]18,674
	Shipments, including interplant transfers	..do.	21,705	[1]11,454	[1]17,535
	Used in plants (captive)	..do.	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt.	60,162	[1]70,983	[1]106,334
28742 61	Other phosphatic fertilizer materials:				
	Production:				
	Gross weight	.....	([1])	([1])	([1])
	Nitrogen content	100% N.	([1])	([1])	([1])
	Phosphoric oxide content	100% P_2O_5	([1])	([1])	([1])
	Shipments, including interplant transfers	..do.	([1])	([1])	([1])
	Used in plants (captive)	..do.	([1])	([1])	([1])
	Stocks on hand, end of month	Gross wt.	([1])	([1])	([1])

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): [a]20 percent or more of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. N = Nitrogen content. P_2O_5 = Phosphoric oxide content. [r]Revised by 5 percent or more from previously published figures.

[1]Other ammonium phosphates is combined with other phosphatic fertilizer materials to avoid disclosure of figures for individual companies.

Table 5. PRIMARY PRODUCTION AND STOCKS OF SULFURIC ACID

(Short tons)

Product code	Chemical and basis	March 1986		February 1986		March 1985	
		Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants
	Sulfuric acid (100%):[1]						
	Total gross	3,253,686	830,449	2,735,826	858,445	3,552,987	905,096
28193 10	Oleum grades	154,739	(X)	136,550	(X)	r156,084	(X)
28193 31	Other than oleum grades	3,098,947		2,599,276		r3,396,903	
28193 51	Sulfuric acid produced from decomposition of alkylation acid, other spent acids and sludge acid and included in above production figures	146,316	67,531	161,228	57,086	96,706	38,133
28193 71	Spent acid fortified in contact units and included in above production figures	17,606	5,830	18,439	4,568	19,872	9,059
	Total new acid[2]	3,089,764	(X)	2,556,159	(X)	3,436,409	(X)

rRevised by 5 percent or more from previously published figures. (X) Not applicable.

[1]Includes data for Government-owned, contractor-operated plants.
[2]Total new acid equals total gross acid, minus fortified spent acid and sulfuric acid produced from the decomposition of alkylation acid, other spent acids and sludge acid.

Table 6. PRODUCTION OF SELECTED INORGANIC FERTILIZER MATERIALS, BY STATE

(Short tons)

State	Ammonia (100%)	Nitric acid (100%)	Phosphoric acid (100% P_2O_5)	Urea (100%)	Superphosphates and other phosphatic fertilizer materials (100% P_2O_5)	New sulfuric acid (100%)
MARCH 1986						
United States	1,253,540	691,450	842,089	545,981	490,331	3,089,764
Alabama	(D)	(D)	-	(D)	(D)	(D)
Florida	(D)	70,137	435,296	(D)	267,433	1,314,083
Georgia	(D)	(D)	(D)	(D)	(D)	(D)
Illinois	(D)	18,075	14,861	(D)	-	53,905
Iowa	(D)	(D)	-	(D)	(D)	(D)
Louisiana	536,039	75,733	176,338	188,760	142,709	525,842
Missouri	-	49,886	(D)	(D)	(D)	(D)
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	(D)	32,180
Oklahoma	203,228	(D)	-	85,856	-	15,926
Tennessee	-	(D)	(D)	-	(D)	(D)
Texas	46,554	(D)	(D)	(D)	(D)	135,287
California	(D)	26,421	(D)	(D)	(D)	59,739
All other states	255,464	217,512	172,480	101,898	56,302	808,040
FEBRUARY 1986						
United States	1,180,103	583,943	666,348	521,826	402,972	2,556,159
Alabama	(D)	(D)	-	(D)	(D)	(D)
Florida	(D)	53,213	r340,324	(D)	222,961	1,057,845
Georgia	(D)	(D)	(D)	(D)	3,821	(D)
Illinois	(D)	22,533	13,385	(D)	(D)	50,121
Iowa	(D)	(D)	-	(D)	(D)	(D)
Louisiana	472,652	65,264	137,450	182,237	116,880	435,457
Missouri	(D)	43,744	(D)	(D)	(D)	11,529
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	(D)	29,449
Oklahoma	162,177	(D)	-	76,778	-	14,435
Tennessee	(D)	(D)	(D)	(D)	(D)	(D)
Texas	48,539	(D)	(D)	(D)	(D)	104,317
California	(D)	14,799	(D)	(D)	(D)	55,387
All other states	278,316	188,497	r140,742	66,043	41,985	674,283

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. rRevised by 5 percent or more from previously published figures.

Table 7. PRODUCTION, INVENTORY, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED INORGANIC FERTILIZER MATERIALS: FEBRUARY 1986

(Short tons)

Product code[1]	Product description	Beginning stock February 1986	Quantity produced	Imports for consumption[2]	Ending stock February 1986	Exports of domestic merchandise[3]	Apparent consumption[4]	Percent imports to apparent consumption
28731 30	Anhydrous ammonia, for fertilizer use..	2,277,859	1,120,676	238,031	2,448,025	47,652	1,140,889	20.9
28731 50	Ammonium nitrate, original solution....	235,482	520,712	59,522	214,763	36,628	564,325	10.5
28731 56 28731 58	Ammonium sulfate.....	308,449	168,925	12,770	323,498	22,920	143,726	8.9
28731 65 28731 66 28731 67	Nitrogen solutions.....	691,309	246,393	27,655	716,281	29,641	219,435	12.6
28732 --	Urea.....	602,996	521,826	492,363	593,460	49,958	973,767	50.6
28741 81 28741 85	Phosphoric acid.....	239,975	666,348	3,189	239,005	(D)	(NA)	(NA)
28742 15	Normal and enriched superphosphates[5]...	68,686	37,775	59	71,520	-	35,000	0.2
28742 41	Concentrated superphosphates[5].....	243,847	146,756	-	158,477	70,508	161,618	-
28742 52	Diammonium phosphates[5].....	561,190	577,109	1,160	469,488	135,767	534,204	0.2
28742 51 28742 55 28742 61	Monoammonium phosphates, other ammonium phosphates, and other phosphatic fertilizer materials[5].....	126,189	142,101	14,488	134,744	22,092	125,942	11.5
28193 00	Sulfuric acid.....	904,343	2,735,826	70,305	858,445	8,201	2,843,828	2.5

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (NA) Not available.

[1]For comparison of Standard Industrial Classification codes, Schedule B export numbers, and TSUSA import numbers, see table 8 in the January 1986 report, M28B(86)-1, issued March 1986.

[2]Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.

[3]Source: Bureau of the Census report EX 546, U.S. Exports.

[4]Apparent consumption represents new domestic supply and is derived by subtracting exports from the total of manufacturers' production plus imports, and adjusting for changes in stocks.

[5]Gross weight.

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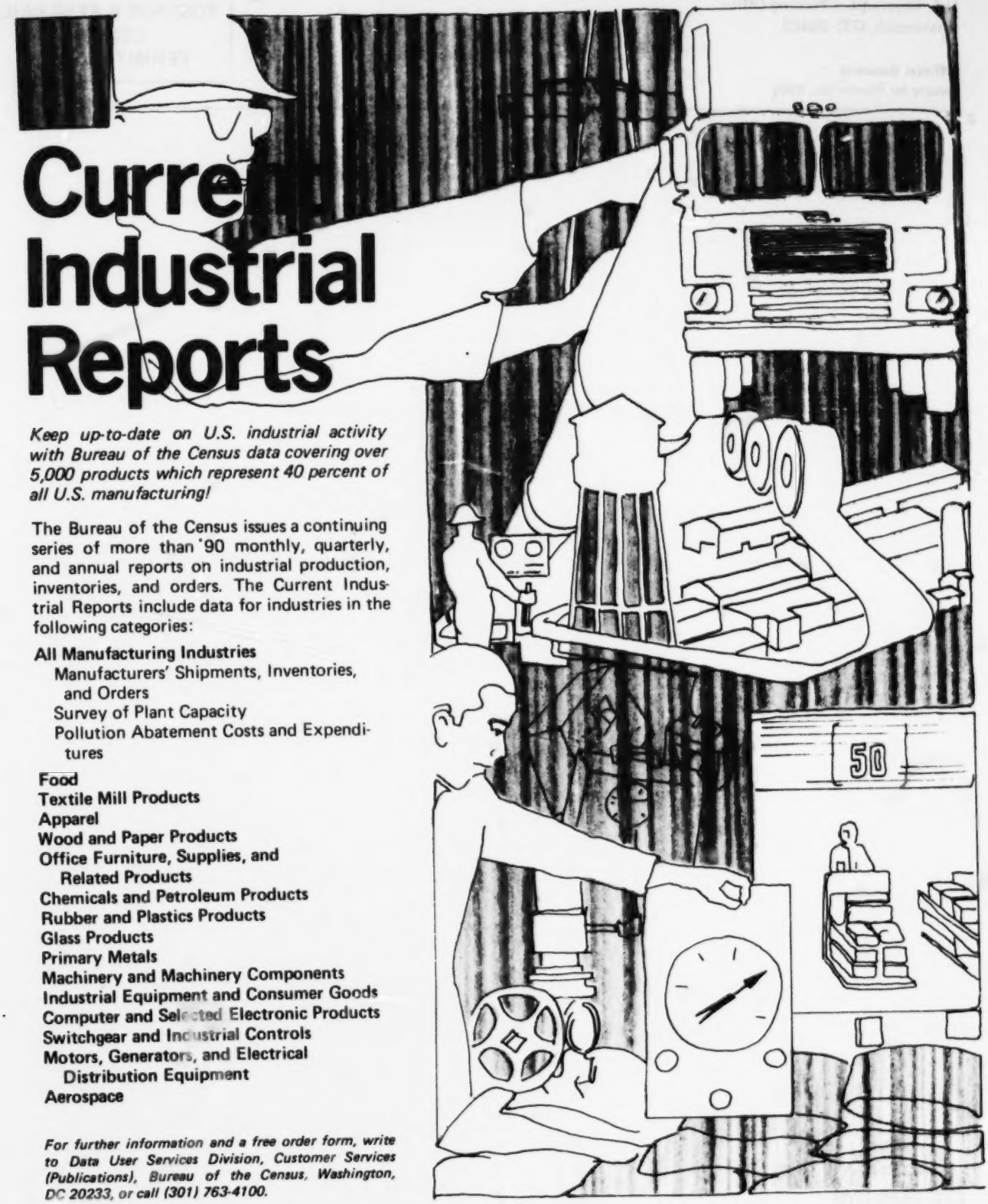

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Inorganic Fertilizer Materials and Related Products

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M28B(86)-4
Issued June 1986

U.S. Department of Commerce
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The statistics in this report are based on a survey of producers of sulfuric acid, inorganic fertilizer chemicals, and phosphatic fertilizer material. The statistics represent total production and stocks of U.S. manufacturers of nitric acid, sulfuric acid, ammonia, and phosphatic fertilizer materials. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report, M28B(86)-1, issued March 1986.

This report is available electronically in CENDATA, the Bureau's online information service through a commercial vendor. The electronic version of this report will be available approximately one week earlier than the printed report. The CENDATA report for May 1986 will be released on or about July 7, 1986. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763,4100.

Table 1. SUMMARY OF PRODUCTION OF PRINCIPAL INORGANIC FERTILIZERS: 1984 TO 1986

(1,000 short tons)

Month and year	Ammonia, synthetic anhydrous (28731 31) (100%)	Ammonium nitrate original solution (28731 50)	Ammonium sulfate (28731 61 162)	Urea (28732 15) (100%)	Nitric acid (28731 12) (100%)	Phosphoric acid (28741 81 185) (100% P_2O_5)	Sulfuric acid, gross (28193 00) (100%)	Phosphatic fertilizer materials (28742 00) (100% P_2O_5)
1986								
April	1,242	542	166	602	628	818	3,212	511
March	1,254	613	193	546	691	842	3,252	489
February	1,180	521	169	522	584	666	2,736	403
January	1,237	481	172	495	568	579	2,608	360
1985								
Total	16,201	6,906	2,049	6,556	7,778	10,492	39,615	6,986
December	1,256	485	162	439	546	735	2,963	421
November	1,198	544	154	456	638	799	3,094	511
October	1,327	561	185	534	650	922	3,409	542
September	1,241	532	165	453	621	919	3,375	565
August	1,231	508	162	448	594	802	3,248	557
July	1,312	556	175	495	613	842	3,321	612
Fertilizer year (July 1984-June 1985)	16,959	7,179	2,076	7,489	7,867	11,341	41,197	7,898
June	1,407	607	159	597	682	847	3,324	594
May	1,460	665	195	646	720	914	3,350	648
April	1,463	628	172	623	698	968	3,540	651
March	1,485	644	186	672	708	996	3,553	664
February	1,359	552	163	586	627	860	3,127	593
January	1,462	624	171	607	681	888	3,311	628
1984								
Total	16,692	7,146	2,067	7,433	7,726	11,370	41,802	8,020
December	1,543	614	169	682	655	1,001	3,590	649
November	1,482	589	177	672	635	1,002	3,364	681
October	1,414	602	189	717	628	1,019	3,601	702
September	1,330	562	178	621	623	980	3,445	704
August	1,348	518	164	509	576	977	3,583	712
July	1,206	574	153	557	634	889	3,409	672
Fertilizer year (July 1983-June 1984)	15,407	6,630	2,046	6,557	7,385	10,579	40,121	7,584
June	1,291	576	169	601	663	897	3,423	618
May	1,450	624	183	631	699	933	3,502	654
April	1,482	631	165	651	653	935	3,564	650

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Table 2. PRIMARY PRODUCTION AND STOCKS OF NITROGENOUS FERTILIZER MATERIALS

(Short tons)

Product code	Chemical and basis	April 1986		March 1986		April 1985	
		Quantity produced	Stocks held by producing companies[1]	Quantity produced	Stocks held by producing companies[1]	Quantity produced	Stocks held by producing companies[1]
	Ammonia:						
28731 31	Synthetic, anhydrous (100%)	1,241,690	1,671,276	1,253,540	2,476,587	1,463,211	1,322,401
28731 30	Fertilizer use	1,148,747	1,618,446	1,164,644	2,436,603	1,348,442	1,277,513
28731 32	Other uses	a92,943	52,830	88,896	39,984	114,769	44,888
	Ammonium nitrate (100%):						
28731 50	Original solution[1]	541,676	153,194	612,864	183,149	628,047	104,955
	Fertilizer use:						
28731 52	Solution produced for sale as such for direct application	55,248	32,724	57,319	r45,800	64,537	17,970
28731 54	Solution produced for consumption in the manufacture of nitrogen solutions or other fertilizer materials	199,493	27,936	212,879	31,323	a220,508	30,024
28731 51	Solid	190,160	134,525	235,678	199,430	213,102	77,579
28731 53	Other uses[2]	a108,943	(S)	115,935	(S)	99,451	46,540
28731 57	**Ammonium sulfate(100%)**[3]	165,761	205,076	192,638	246,284	171,551	104,895
28731 56	Synthetic	(D)	(D)	(D)	(D)	(D)	31,762
28731 58	Byproduct, other than coke oven	(D)	(D)	(D)	(D)	(D)	73,133
	Nitrogen solutions, including mixtures (100% N)	a288,462	703,194	a279,734	747,205	290,395	625,263
28731 65	Solutions containing ammonia	[4](S)	a173,287	[4](S)	a180,914	[4](S)	[4]148,219
28731 66	Ammonium nitrate/urea solutions	a228,337	529,907	a228,325	566,291	222,023	477,044
28731 67	All other	[4](S)	[4](S)	[4](S)	[4](S)	[4](S)	[4](S)
28731 12	**Nitric acid (100%)**[5]	628,187	(X)	691,450	(X)	698,056	(X)
28732 --	**Urea (100%)**	602,225	345,574	545,981	513,279	622,977	435,748
	For fertilizer use:						
28732 16	Solutions produced as intermediate in nitrogen solutions	207,605	a1,462	224,521	a1,045	228,851	(D)
28732 18	Solid	363,537	333,159	295,842	496,209	369,266	396,153
	Other uses:						
28732 21	Feed (solid and solution)	7,260	(D)	7,573	(D)	5,065	(D)
28732 22	All other (solid and solution)	23,823	(D)	18,045	(D)	19,79[illegible]	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): a20 percent or more of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. rRevised by 5 percent or more from previously published figures.
(S) Suppressed. Data did not meet publication standards of the Bureau of the Census. (X) Not applicable.

[1] Stocks held by producing companies include amounts held at their nonproducing locations.
[2] Production represents total amount of ammonium nitrate produced including amounts used for fertilizer, explosive, and other uses, and amounts consumed in manufacturing other products, such as nitrogen solutions. Stocks represent total stocks held by producing companies, including stock of original solution and amounts (liquid and solid) reported as fertilizer, explosives, or other uses.
[3] Excludes coke oven byproduct ammonium sulfate.
[4] "All other nitrogen solutions" is combined with "Solutions containing ammonia," to avoid disclosing figures for individual companies.
[5] Includes data for Government-owned, contractor-operated plants.

Table 3. PRIMARY PRODUCTION, SHIPMENTS, AND STOCKS OF PHOSPHORIC ACID

(Short tons)

Product code	Chemical and basis	April 1986			March 1986			April 1985		
		Quantity produced	Quantity shipped	Stocks held by producing companies	Quantity produced	Quantity shipped	Stocks held by producing companies	Quantity produced	Quantity shipped	Stocks held by producing companies
	Phosphoric acid (100% phosphoric oxide)	818,333	403,684	218,375	842,089	404,619	219,155	967,961	440,100	288,689
28741 81	Thermal	57,179	21,001	11,928	58,074	23,086	r13,123	58,225	27,283	13,519
28741 85	Wet	761,154	382,683	206,447	784,015	381,533	206,032	909,736	412,817	275,170
	By use:									
28741 86	Fertilizer	726,164	(X)	(D)	731,362	(X)	(D)	863,623	(X)	(D)
28741 87	Feed and other	34,990	(X)	(D)	32,653	(X)	(D)	46,113	(X)	(D)
	By grade:									
28741 88	Ortho (less than 65% P_2O_5)	604,711	(X)	(D)	635,074	(X)	(D)	759,065	(X)	213,839
28741 89	Super (more than 65% P_2O_5)	153,607	(X)	(D)	148,941	(X)	(D)	146,766	(X)	61,331

(D) Data withheld to avoid disclosing figures for individual companies but are included in higher level. rRevised by 5 percent or more from previously published figures. (X) Not applicable.

Table 4. PRODUCTION, SHIPMENTS, CONSUMPTION, AND STOCKS OF SUPERPHOSPHATE AND OTHER PHOSPHATIC FERTILIZER MATERIALS, BY TYPE

(Short tons)

Product code	Product description	Basis	April 1986	March 1986	April 1985
28742 --	Superphosphate and other phosphatic fertilizer materials:				
	Production:				
	Gross weight	.....	1,136,356	1,086,010	1,455,794
	Phosphoric oxide content	100% P_2O_5	510,689	489,411	650,936
	Shipments, including interplant transfers	..do..	654,921	535,928	701,997
	Used in plants (captive)	..do..	7,437	7,292	9,606
	Stocks on hand, end of month	Gross wt.	591,759	778,022	703,824
28742 15	Normal and enriched:				
	Production:				
	Gross weight	.....	34,039	38,984	[a]71,334
	Phosphoric oxide content	100% P_2O_5	6,850	7,974	14,203
	Shipments, including interplant transfers	..do..	[a]3,133	[a]3,825	[a]6,274
	Used in plants (captive)	..do..	[a]7,341	[a]7,120	9,190
	Stocks on hand, end of month	Gross wt.	[a]44,366	[a]64,850	35,014
28742 41	Concentrated:				
	Production:				
	Gross weight	.....	220,832	194,511	228,574
	Phosphoric oxide content	100% P_2O_5	102,407	90,347	105,758
	Shipments, including interplant transfers	..do..	121,970	105,531	136,300
	Used in plants (captive)	..do..	(D)	-	(D)
	Stocks on hand, end of month	Gross wt.	82,670	122,424	106,925
	Ammonium phosphate:				
28742 51	Monoammonium phosphates:				
	Production:				
	Gross weight	.....	156,106	157,382	156,048
	Nitrogen content	100% N.	17,674	16,397	17,234
	Phosphoric oxide content	100% P_2O_5	80,291	81,386	81,300
	Shipments, including interplant transfers	..do..	84,159	64,361	76,621
	Used in plants (captive)	..do..	-	-	(D)
	Stocks on hand, end of month	Gross wt.	85,217	97,521	72,536
28742 52	Diammonium phosphates:				
	Production:				
	Gross weight	.....	663,347	631,916	938,228
	Nitrogen content	100% N.	118,842	112,806	161,820
	Phosphoric oxide content	100% P_2O_5	306,192	293,541	434,726
	Shipments, including interplant transfers	..do..	422,718	340,506	448,361
	Used in plants (captive)	..do..	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt.	332,896	433,065	439,557
28742 55	Other ammonium phosphates:				
	Production:				
	Gross weight	.....	[1]62,032	[1]63,217	[1]61,610
	Nitrogen content	100% N.	[1]9,303	[1]8,849	[1]8,766
	Phosphoric oxide content	100% P_2O_5	[1]14,949	[1]16,163	[1]14,949
	Shipments, including interplant transfers	..do..	[1]20,941	[1]21,705	[1]34,441
	Used in plants (captive)	..do..	[1](D)	[1](D)	[1](D)
	Stocks on hand, end of month	Gross wt.	[1]46,610	[1]60,162	[1]49,792
28742 61	Other phosphatic fertilizer materials:				
	Production:				
	Gross weight	.....	(1)	(1)	(1)
	Nitrogen content	100% N.	(1)	(1)	(1)
	Phosphoric oxide content	100% P_2O_5	(1)	(1)	(1)
	Shipments, including interplant transfers	..do..	(1)	(1)	(1)
	Used in plants (captive)	..do..	(1)	(1)	(1)
	Stocks on hand, end of month	Gross wt.	(1)	(1)	(1)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): [a]20 percent or more of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. N - Nitrogen content. P_2O_5 - Phosphoric oxide content. [r]Revised by 5 percent or more from previously published figures.

[1]Other ammonium phosphates is combined with other phosphatic fertilizer materials to avoid disclosure of figures for individual companies.

Table 5. PRIMARY PRODUCTION AND STOCKS OF SULFURIC ACID

(Short tons)

Product code	Chemical and basis	April 1986		March 1986		April 1985	
		Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants
	Sulfuric acid (100%):[1]						
	Total gross	3,211,867	779,146	3,252,354	823,643	3,539,743	898,861
28193 10	Oleum grades	143,294	(X)	154,739	(X)	128,620	(X)
28193 31	Other than oleum grades	3,068,573		3,097,615		3,097,615	
28193 51	Sulfuric acid produced from decomposition of alkylation acid, other spent acids and sludge acid and included in above production figures	175,602	66,708	149,213	67,163	95,497	42,470
28193 71	Spent acid fortified in contact units and included in above production figures	15,243	5,102	17,606	5,830	20,095	8,083
	Total new acid[2]	3,021,022	(X)	3,085,535	(X)	3,424,151	(X)

(X) Not applicable.

[1] Includes data for Government-owned, contractor-operated plants.
[2] Total new acid equals total gross acid, minus fortified spent acid and sulfuric acid produced from the decomposition of alkylation acid, other spent acids and sludge acid.

Table 6. PRODUCTION OF SELECTED INORGANIC FERTILIZER MATERIALS, BY STATE

(Short tons)

State	Ammonia (100%)	Nitric acid (100%)	Phosphoric acid (100% P_2O_5)	Urea (100%)	Superphosphates and other phosphatic fertilizer materials (100% P_2O_5)	New sulfuric acid (100%)
APRIL 1986						
United States	1,241,690	628,187	818,333	602,225	510,689	3,021,022
Alabama	(D)	(D)	-	(D)	(D)	(D)
Florida	(D)	50,922	426,403	(D)	284,210	1,310,509
Georgia	(D)	(D)	(D)	(D)	2,596	(D)
Illinois	(D)	(D)	14,931	(D)	(D)	46,384
Iowa	47,217	(D)	-	(D)	(D)	(D)
Louisiana	537,407	64,993	170,605	207,365	146,851	513,053
Missouri	-	46,299	(D)	(D)	(D)	(D)
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	(D)	31,065
Oklahoma	(D)	(D)	-	(D)	-	(D)
Tennessee	(D)	(D)	(D)	(D)	(D)	(D)
Texas	61,233	(D)	(D)	(D)	(D)	132,941
California	(D)	28,535	(D)	(D)	(D)	55,951
All other states	260,842	208,106	166,409	121,816	57,676	776,081
MARCH 1986						
United States	1,253,540	691,450	842,089	545,981	489,411	3,085,535
Alabama	(D)	(D)	-	(D)	(D)	(D)
Florida	(D)	70,137	435,296	(D)	267,433	1,314,083
Georgia	(D)	(D)	(D)	(D)	(D)	(D)
Illinois	(D)	(D)	14,861	(D)	-	53,905
Iowa	(D)	(D)	-	(D)	(D)	(D)
Louisiana	536,039	75,733	176,338	188,760	142,709	525,842
Missouri	-	49,886	(D)	(D)	(D)	(D)
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	(D)	32,180
Oklahoma	(D)	(D)	-	(D)	-	15,926
Tennessee	-	(D)	(D)	-	(D)	(D)
Texas	46,554	(D)	(D)	(D)	(D)	r125,493
California	(D)	26,421	(D)	(D)	(D)	r56,166
All other states	255,464	217,512	172,480	101,898	56,302	817,178

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. rRevised by 5 percent or more from previously published figures.

Table 7. PRODUCTION, INVENTORY, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED INORGANIC FERTILIZER MATERIALS: MARCH 1986

(Short tons)

Product code[1]	Product description	Beginning stock March 1986	Quantity produced	Imports for consumption[2]	Ending stock March 1986	Exports of domestic merchandise[3]	Apparent consumption[4]	Percent imports to apparent consumption
28731 30	Anhydrous ammonia, for fertilizer use..	2,448,025	1,164,644	240,623	2,436,603	62,237	1,354,452	17.8
28731 50	Ammonium nitrate, original solution....	214,763	612,864	60,337	183,149	1,358	703,457	8.6
28731 56, 28731 58	Ammonium sulfate.....	323,498	192,638	40,326	246,284	93,255	216,923	18.6
28731 65, 28731 66, 28731 67	Nitrogen solutions.....	706,281	279,754	9,780	747,205	45,363	203,247	4.8
28732 --	Urea.....	593,460	545,981	241,690	513,279	9,508	858,344	28.2
28741 81, 28741 85	Phosphoric acid.....	239,005	842,089	235	219,155	(D)	(D)	(D)
28742 15	Normal and enriched superphosphates[5]...	71,520	38,984	142	64,850	183	45,613	0.3
28742 41	Concentrated superphosphates[5].....	158,477	194,511	551	122,424	70,198	160,917	0.3
28742 52	Diammonium phosphates[5].....	469,488	631,916	2,994	433,065	237,174	434,159	0.7
28742 51, 28742 55, 28742 61	Monoammonium phosphates, other ammonium phosphates, and other phosphatic fertilizer materials[5].....	134,744	220,599	16,980	157,683	18,666	195,974	8.7
28193 00	Sulfuric acid[5].....	858,445	3,252,354	92,008	823,643	2,621	3,376,543	2.7

(D) Data withheld to avoid disclosing figures for individual companies.

[1] For comparison of Standard Industrial Classification codes, Schedule B export numbers, and TSUSA import numbers, see table 8 in the January 1986 report, M28B(86)-1, issued March 1986.

[2] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.

[3] Source: Bureau of the Census report EX 546, U.S. Exports.

[4] Apparent consumption represents new domestic supply and is derived by subtracting exports from the total of manufacturers' production plus imports, and adjusting for changes in stocks.

[5] Gross weight.

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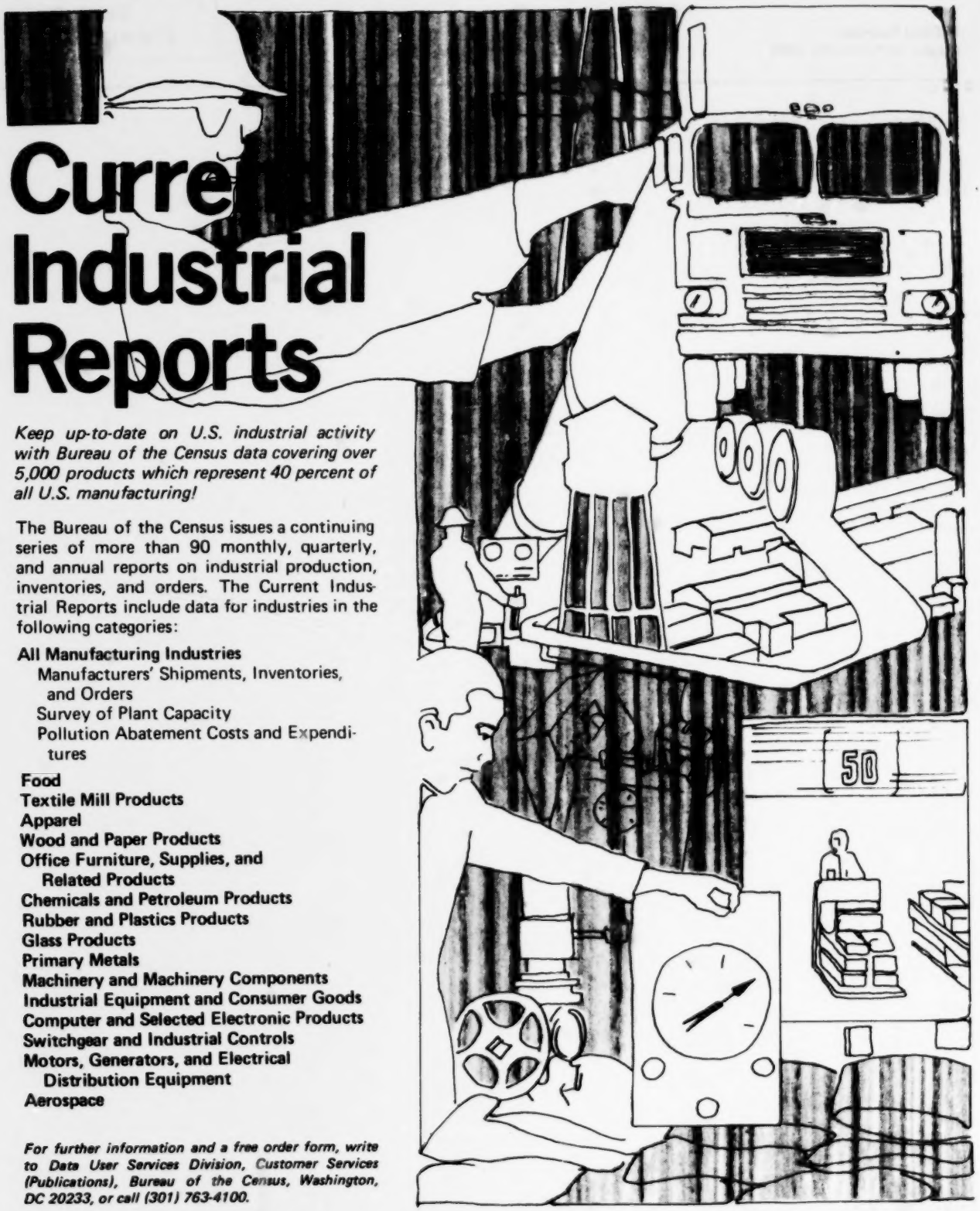

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(1,000 short tons)

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Fertilizer year (July 1984-June 1985)	16,959	7,179	2,076	7,489	7,867	11,341	41,197	7,898
June	1,407	607	159	597	682	847	3,324	594
May	1,460	665	195	646	720	914	3,350	648
April	1,463	628	172	623	698	968	3,540	651
March	1,485	644	186	672	708	996	3,553	664
February	1,359	552	163	586	627	860	3,127	593
January	1,462	624	171	607	681	888	3,311	628
1984								
Total	16,692	7,146	2,067	7,433	7,726	11,370	41,802	8,020
December	1,543	614	169	682	655	1,001	3,590	649
November	1,482	589	177	672	635	1,002	3,364	681
October	1,414	602	189	717	628	1,019	3,601	702
September	1,330	562	178	621	623	980	3,445	704
August	1,348	518	164	509	576	977	3,583	712
July	1,206	574	153	557	634	889	3,409	672
Fertilizer year (July 1983-June 1984)	15,407	6,630	2,046	6,557	7,385	10,579	40,121	7,584
June	1,291	576	169	601	663	897	3,423	618
May	1,450	624	183	631	699	933	3,502	654

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Gisela B. Hoffman, (301) 763-7807.

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Table 2. PRIMARY PRODUCTION AND STOCKS OF NITROGENOUS FERTILIZER MATERIALS

(Short tons)

Product code	Chemical and basis	May 1986		April 1986		May 1985	
		Quantity produced	Stocks held by producing companies[1]	Quantity produced	Stocks held by producing companies[1]	Quantity produced	Stocks held by producing companies[1]
	Ammonia:						
28731 31	Synthetic, anhydrous (100%)	1,269,247	1,524,807	1,266,160	1,705,859	1,459,738	1,056,779
28731 30	Fertilizer use	1,150,068	1,467,857	1,148,674	1,646,765	1,346,059	1,009,124
28731 32	Other uses	119,179	56,950	r117,486	r59,094	113,679	47,655
	Ammonium nitrate (100%):						
28731 50	Original solution[1]	494,767	169,585	529,282	r178,987	665,266	62,275
	Fertilizer use:						
28731 52	Solution produced for sale as such for direct application	50,864	29,902	55,319	32,724	65,635	10,877
28731 54	Solution produced for consumption in the manufacture of nitrogen solutions or other fertilizer materials	171,963	28,935	198,209	27,936	a239,468	20,946
28731 51	Solid	150,120	100,158	186,295	r144,481	221,705	44,779
28731 53	Other uses[2]	a121,110	(S)	a r101,129	(S)	120,219	25,298
28731 57	Ammonium sulfate(100%)[3]	191,532	211,010	165,761	205,076	195,180	92,585
28731 56	Synthetic	(D)	(D)	(D)	(D)	(D)	39,056
28731 58	Byproduct, other than coke oven	(D)	(D)	(D)	(D)	(D)	53,529
	Nitrogen solutions, including mixtures (100% N)	253,044	4 a551,103	a286,905	4 a706,101	287,798	374,683
28731 65	Solutions containing ammonia	4(S)	a133,826	4(S)	a178,588	4(S)	489,082
28731 66	Ammonium nitrate/urea solutions	198,179	417,277	a228,505	527,513	227,668	285,601
28731 67	All other	(4)	(4)	(4)	(4)	(4)	(4)
28731 12	Nitric acid (100%)[5]	631,009	(X)	638,259	(X)	720,275	(X)
28732 --	Urea (100%)	605,462	337,817	601,639	344,855	646,075	379,093
	For fertilizer use:						
28732 16	Solutions produced as intermediate in nitrogen solutions	201,728	a612	207,038	a r743	242,740	(D)
28732 18	Solid	374,309	325,350	363,537	333,159	381,842	343,816
	Other uses:						
28732 21	Feed (solid and solution)	9,869	(D)	7,241	(D)	3,749	(D)
28732 22	All other (solid and solution)	19,556	(D)	23,823	(D)	17,744	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): a20 percent or more of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. rRevised by 5 percent or more from previously published figures.
(S) Suppressed. Data did not meet publication standards of the Bureau of the Census. (X) Not applicable.

[1]Stocks held by producing companies include amounts held at their nonproducing locations.
[2]Production represents total amount of ammonium nitrate produced including amounts used for fertilizer, explosive, and other uses, and amounts consumed in manufacturing other products, such as nitrogen solutions. Stocks represent total stocks held by producing companies, including stock of original solution and amounts (liquid and solid) reported as fertilizer, explosives, or other uses.
[3]Excludes coke oven byproduct ammonium sulfate.
[4]"All other nitrogen solutions" is combined with "Solutions containing ammonia," to avoid disclosing figures for individual companies.
[5]Includes data for Government-owned, contractor-operated plants.

Table 3. PRIMARY PRODUCTION, SHIPMENTS, AND STOCKS OF PHOSPHORIC ACID

(Short tons)

Product code	Chemical and basis	May 1986			April 1986			May 1985		
		Quantity produced	Quantity shipped	Stocks held by producing companies	Quantity produced	Quantity shipped	Stocks held by producing companies	Quantity produced	Quantity shipped	Stocks held by producing companies
	Phosphoric acid (100% phosphoric oxide)	766,703	349,205	280,417	822,519	400,551	216,535	913,573	346,826	313,176
28741 81	Thermal	55,571	19,286	13,588	57,179	21,001	11,928	57,223	22,144	13,543
28741 85	Wet	711,132	329,919	266,829	765,340	379,550	204,607	856,350	324,682	299,633
	By use:									
28741 86	Fertilizer	669,263	(X)	(D)	730,350	(X)	(D)	812,273	(X)	(D)
28741 87	Feed and other	41,869	(X)	(D)	34,990	(X)	(D)	44,077	(X)	(D)
	By grade:									
28741 88	Ortho (less than 65% P_2O_5)	574,251	(X)	(D)	610,348	(X)	(D)	731,677	(X)	226,733
28741 89	Super (more than 65% P_2O_5)	136,881	(X)	(D)	154,992	(X)	(D)	119,572	(X)	72,900

(D) Data withheld to avoid disclosing figures for individual companies but are included in higher level. (X) Not applicable.

Table 4. PRODUCTION, SHIPMENTS, CONSUMPTION, AND STOCKS OF SUPERPHOSPHATE AND OTHER PHOSPHATIC FERTILIZER MATERIALS, BY TYPE

(Short tons)

Product code	Product description	Basis	May 1986	April 1986	May 1985
28742 --	Superphosphate and other phosphatic fertilizer materials:				
	Production:				
	Gross weight	.....	1,031,144	1,137,416	1,446,884
	Phosphoric oxide content	100% P_2O_5	461,933	510,607	647,985
	Shipments, including interplant transfers	..do	439,238	642,898	628,880
	Used in plants (captive)	..do	3,755	7,231	7,667
	Stocks on hand, end of month	Gross wt	688,415	r558,996	773,115
28742 15	Normal and enriched:				
	Production:				
	Gross weight	.....	a19,207	35,461	a61,789
	Phosphoric oxide content	100% P_2O_5	a3,946	7,067	12,226
	Shipments, including interplant transfers	..do	2,536	5,342	a5,678
	Used in plants (captive)	..do	a3,687	7,135	7,151
	Stocks on hand, end of month	Gross wt	37,102	41,289	a32,382
28742 41	Concentrated:				
	Production:				
	Gross weight	.....	192,589	r233,280	234,667
	Phosphoric oxide content	100% P_2O_5	89,635	r108,208	108,487
	Shipments, including interplant transfers	..do	60,275	126,754	131,768
	Used in plants (captive)	..do	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt	144,256	82,670	113,050
	Ammonium phosphate:				
28742 51	Monoammonium phosphates:				
	Production:				
	Gross weight	.....	74,991	156,106	143,894
	Nitrogen content	100% N	8,448	17,674	15,749
	Phosphoric oxide content	100% P_2O_5	38,204	80,291	75,161
	Shipments, including interplant transfers	..do	37,526	84,159	63,932
	Used in plants (captive)	..do	-	-	(D)
	Stocks on hand, end of month	Gross wt	86,920	85,217	91,542
28742 52	Diammonium phosphates:				
	Production:				
	Gross weight	.....	691,861	650,537	945,981
	Nitrogen content	100% N	124,497	117,228	163,199
	Phosphoric oxide content	100% P_2O_5	318,924	300,092	437,506
	Shipments, including interplant transfers	..do	322,324	405,702	411,563
	Used in plants (captive)	..do	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt	371,696	r303,210	492,360
28742 55	Other ammonium phosphates:				
	Production:				
	Gross weight	.....	[1] 52,496	[1] 62,032	[1] 80,553
	Nitrogen content	100% N	[1] 7,774	[1] 9,303	[1] 8,386
	Phosphoric oxide content	100% P_2O_5	[1] 11,224	[1] 14,949	[1] 14,605
	Shipments, including interplant transfers	..do	[1] 16,577	[1] 20,941	[1] 15,939
	Used in plants (captive)	..do	[1](D)	[1](D)	[1](D)
	Stocks on hand, end of month	Gross wt	[1] 48,441	[1] 46,610	[1] 43,781
28742 61	Other phosphatic fertilizer materials:				
	Production:				
	Gross weight	.....	(1)	(1)	(1)
	Nitrogen content	100% N	(1)	(1)	(1)
	Phosphoric oxide content	100% P_2O_5	(1)	(1)	(1)
	Shipments, including interplant transfers	..do	(1)	(1)	(1)
	Used in plants (captive)	..do	(1)	(1)	(1)
	Stocks on hand, end of month	Gross wt	(1)	(1)	(1)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1985 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): a20 percent or more of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. N - Nitrogen content. P_2O_5 - Phosphoric oxide content. rRevised by 5 percent or more from previously published figures.

[1]Other ammonium phosphates is combined with other phosphatic fertilizer materials to avoid disclosure of figures for individual companies.

Table 5. PRIMARY PRODUCTION AND STOCKS OF SULFURIC ACID

(Short tons)

Product code	Chemical and basis	May 1986		April 1986		May 1985	
		Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants
	Sulfuric acid (100%):[1]						
	Total gross	3,112,124	801,899	3,211,867	779,146	3,349,675	849,797
28193 10	Oleum grades	196,990	(X)	143,294	(X)	131,468	(X)
28193 31	Other than oleum grades	2,915,134		3,068,573		3,218,207	
28193 51	Sulfuric acid produced from decomposition of alkylation acid, other spent acids and sludge acid and included in above production figures	191,062	61,098	177,418	68,375	82,373	72,131
28193 71	Spent acid fortified in contact units and included in above production figures	15,411	4,041	r14,496	r4,083	18,327	7,831
	Total new acid[2]	2,905,651	(X)	3,019,953	(X)	3,248,975	(X)

rRevised by 5 percent or more from previously published figures. (X) Not applicable.

[1]Includes data for Government-owned, contractor-operated plants.
[2]Total new acid equals total gross acid, minus fortified spent acid and sulfuric acid produced from the decomposition of alkylation acid, other spent acids and sludge acid.

Table 6. PRODUCTION OF SELECTED INORGANIC FERTILIZER MATERIALS, BY STATE

(Short tons)

State	Ammonia (100%)	Nitric acid (100%)	Phosphoric acid (100% P_2O_5)	Urea (100%)	Superphosphates and other phosphatic fertilizer materials (100% P_2O_5)	New sulfuric acid (100%)
MAY 1986						
United States	1,269,247	631,009	766,703	605,462	461,933	2,905,651
Alabama	(D)	(D)	-	(D)	(D)	(D)
Florida	(D)	53,063	421,212	(D)	273,043	1,255,395
Georgia	(D)	(D)	(D)	(D)	(D)	(D)
Illinois	(D)	(D)	11,496	(D)	(D)	60,822
Iowa	37,168	(D)	-	(D)	(D)	(D)
Louisiana	493,479	66,399	162,215	206,951	133,891	485,992
Missouri	-	53,841	(D)	(D)	(D)	(D)
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	(D)	26,924
Oklahoma	(D)	(D)	-	(D)	-	(D)
Tennessee	(D)	(D)	(D)	(D)	-	(D)
Texas	81,644	(D)	(D)	(D)	(D)	121,969
California	(D)	24,078	(D)	(D)	(D)	61,456
All other states	349,417	206,846	136,293	117,658	42,735	731,334
APRIL 1986						
United States	1,266,160	638,259	822,519	601,639	510,607	3,019,953
Alabama	(D)	(D)	-	(D)	(D)	(D)
Florida	(D)	50,922	430,589	(D)	283,905	1,310,509
Georgia	(D)	(D)	(D)	(D)	2,596	(D)
Illinois	(D)	(D)	14,931	(D)	(D)	46,384
Iowa	47,217	(D)	-	(D)	(D)	(D)
Louisiana	537,407	64,993	170,605	207,365	146,851	513,055
Missouri	-	51,234	(D)	(D)	(D)	(D)
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	(D)	31,065
Oklahoma	(D)	(D)	-	(D)	-	(D)
Tennessee	(D)	(D)	(D)	(D)	(D)	(D)
Texas	r91,629	(D)	(D)	(D)	(D)	132,939
California	(D)	28,535	(D)	(D)	(D)	55,951
All other states	255,312	208,698	166,409	121,816	57,040	775,014

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. rRevised by 5 percent or more from previously published figures.

Table 7. PRODUCTION, INVENTORY, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED INORGANIC FERTILIZER MATERIALS: APRIL 1986

(Short tons)

Product code[1]	Product description	Beginning stock April 1986	Quantity produced	Imports for consumption[2]	Ending stock April 1986	Exports of domestic merchandise[3]	Apparent consumption[4]	Percent imports to apparent consumption
28731 30	Anhydrous ammonia, for fertilizer use..	2,436,603	1,148,674	273,238	1,646,765	13,247	2,198,503	12.4
28731 50	Ammonium nitrate, original solution....	183,149	529,282	73,606	178,987	3,421	603,629	12.1
28731 56 28731 58	Ammonium sulfate.....	246,284	165,761	65,738	205,076	72,011	200,696	32.8
28731 65 28731 66 28731 67	Nitrogen solutions.....	747,205	286,905	64,024	706,101	179	391,854	16.3
28732 --	Urea.....	513,279	601,639	432,324	344,855	38,830	1,163,557	37.2
28741 81 28741 85	Phosphoric acid.....	219,155	822,519	222	216,535	(D)	(D)	(D)
28742 15	Normal and enriched superphosphates[5]...	64,850	35,461	-	41,289	239	59,261	-
28742 41	Concentrated superphosphates[5].....	122,424	233,280	51	82,670	114,564	158,521	0.1
28742 52	Diammonium phosphates[5].....	433,065	650,537	3,666	303,210	157,688	626,370	0.6
28742 51 28742 55 28742 61	Monoammonium phosphates, other ammonium phosphates, and other phosphatic fertilizer materials[5].....	157,683	218,138	17,357	131,827	22,381	283,732	6.1
28193 00	Sulfuric acid.....	823,643	3,211,867	55,883	779,146	3,714	3,308,533	2.7

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

[1] For comparison of Standard Industrial Classification codes, Schedule B export numbers, and TSUSA import numbers, see table 8 in the January 1986 report, M28B(86)-1, issued March 1986.

[2] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.

[3] Source: Bureau of the Census report EX 546, U.S. Exports.

[4] Apparent consumption represents new domestic supply and is derived by subtracting exports from the total of manufacturers' production plus imports, and adjusting for changes in stocks.

[5] Gross weight.

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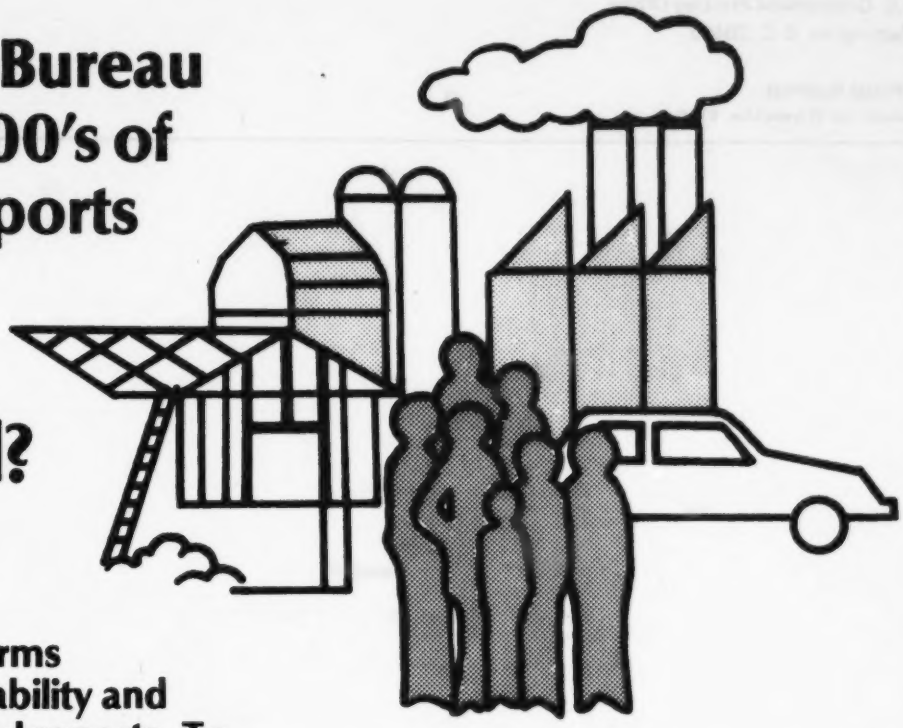

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CURRENT INDUSTRIAL REPORTS

Inorganic Fertilizer Materials and Related Products

JUNE 1986

M28B(86)-6
Issued August 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

The statistics in this report are based on a survey of producers of sulfuric acid, inorganic fertilizer chemicals, and phosphatic fertilizer material. The statistics represent total production and stocks of U.S. manufacturers of nitric acid, sulfuric acid, ammonia, and phosphatic fertilizer materials. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report, M28B(86)-1, issued March 1986.

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Table 1. SUMMARY OF PRODUCTION OF PRINCIPAL INORGANIC FERTILIZERS: 1984 TO 1986

(1,000 short tons)

Month and year	Ammonia, synthetic anhydrous (2873: 31) (100%)	Ammonium nitrate original solution (2873: 50)	Ammonium sulfate (2873: 61 162)	Urea (2873: 15) (100%)	Nitric acid (2873: 12) (100%)	Phosphoric acid (2874: 81 185) (100% P_2O_5)	Sulfuric acid, gross (2819: 00) (100%)	Phosphatic fertilizer materials (2874: 00) (100% P_2O_5)
1986								
Fertilizer year (July 1985-June 1986)	14,847	6,272	2,075	6,085	7,298	9,438	37,235	5,852
June	1,090	448	180	489	531	731	2,911	419
May	1,255	494	192	606	624	778	3,106	462
April	1,266	529	186	602	638	823	3,212	511
March	1,254	613	193	546	691	842	3,252	489
February	1,180	521	169	522	584	646	2,736	403
January	1,237	681	172	495	568	579	2,608	360
1985								
Total	16,201	6,906	2,049	6,556	7,778	10,492	39,615	6,986
December	1,256	485	162	439	566	735	2,963	421
November	1,198	546	154	456	638	799	3,084	511
October	1,327	561	185	536	650	922	3,609	562
September	1,241	532	165	453	621	919	3,375	565
August	1,231	508	162	448	594	802	3,248	557
July	1,312	556	175	495	613	842	3,321	612
Fertilizer year (July 1984-June 1985)	16,959	7,179	2,076	7,489	7,867	11,341	41,197	7,898
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May	1,460	665	195	646	720	914	3,350	648
April	1,463	628	172	623	698	968	3,540	651
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February	1,359	552	163	586	627	860	3,127	593
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November	1,482	589	177	672	635	1,002	3,364	681
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September	1,330	562	178	621	623	980	3,445	704
August	1,368	518	164	509	576	977	3,583	712
July	1,206	576	153	557	634	889	3,409	672
Fertilizer year (July 1983-June 1984)	15,607	6,630	2,046	6,557	7,385	10,579	40,121	7,584
June	1,291	576	168	601	663	897	3,425	618

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Gisela B. Hoffman, (301) 763-7807.

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Table 2. PRIMARY PRODUCTION AND STOCKS OF NITROGENOUS FERTILIZER MATERIALS

(Short tons)

Product code	Chemical and basis	June 1986		May 1986		June 1985	
		Quantity produced	Stocks held by producing companies[1]	Quantity produced	Stocks held by producing companies[1]	Quantity produced	Stocks held by producing companies[1]
	Ammonia:						
28731 31	Synthetic, anhydrous (100%)	1,089,515	1,363,056	1,255,069	1,524,807	1,407,413	921,106
28731 30	Fertilizer use	1,038,778	1,316,930	1,135,890	1,487,871	1,292,403	875,520
28731 32	Other uses	83,334	38,723	119,179	56,950	115,010	45,586
	Ammonium nitrate (100%):						
28731 50	Original solution[1]	a447,765	175,006	494,767	169,585	607,088	75,907
	Fertilizer use:						
28731 52	Solution produced for sale as such for direct application	48,076	30,039	50,864	29,902	49,885	26,629
28731 54	Solution produced for consumption in the manufacture of nitrogen solutions or other fertilizer materials	155,795	28,212	171,963	28,935	a215,574	17,169
28731 51	Solid	128,499	97,224	150,120	100,158	195,939	55,933
28731 53	Other uses[2]	a117,035	(S)	121,110	r43,136	99,650	23,221
28731 57	Ammonium sulfate(100%)[3]	a180,097	204,753	191,532	211,010	159,394	161,067
28731 56	Synthetic	(D)	(D)	(D)	(D)	(D)	35,915
28731 58	Byproduct, other than coke oven	(D)	(D)	(D)	(D)	(D)	125,152
	Nitrogen solutions, including mixtures (100% N)	204,005	4 a485,094	253,044	4 a551,103	246,447	371,418
28731 65	Solutions containing ammonia	4(S)	4 a119,212	4(S)	4 a133,826	(S)	84,357
28731 66	Ammonium nitrate/urea solutions	a151,293	365,979	198,179	417,277	199,935	287,061
28731 67	All other	(4)	(4)	(4)	(4)	(4)	(4)
28731 12	Nitric acid (100%)[5]	530,551	(X)	624,001	(X)	682,225	(X)
28732 --	Urea (100%)	488,589	275,248	606,224	337,841	597,242	519,042
	For fertilizer use:						
28732 16	Solutions produced as intermediate in nitrogen solutions	166,334	512	202,490	636	192,130	2,562
28732 18	Solid	294,883	258,774	374,309	325,350	369,134	501,313
	Other uses:						
28732 21	Feed (solid and solution)	7,136	(D)	9,869	(D)	7,682	(D)
28732 22	All other (solid and solution)	20,236	(D)	19,556	(D)	28,296	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): a20 percent or more of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. rRevised by 5 percent or more from previously published figures.
(S) Suppressed. Data did not meet publication standards of the Bureau of the Census. (X) Not applicable.

[1]Stocks held by producing companies include amounts held at their nonproducing locations.
[2]Production represents total amount of ammonium nitrate produced including amounts used for fertilizer, explosive, and other uses, and amounts consumed in manufacturing other products, such as nitrogen solutions. Stocks represent total stocks held by producing companies, including stock of original solution and amounts (liquid and solid) reported as fertilizer, explosives, or other uses.
[3]Excludes coke oven byproduct ammonium sulfate.
[4]"All other nitrogen solutions" is combined with "Solutions containing ammonia," to avoid disclosing figures for individual companies.
[5]Includes data for Government-owned, contractor-operated plants.

Table 3. PRIMARY PRODUCTION, SHIPMENTS, AND STOCKS OF PHOSPHORIC ACID

(Short tons)

Product code	Chemical and basis	June 1986			May 1986			June 1985		
		Quantity produced	Quantity shipped	Stocks held by producing companies	Quantity produced	Quantity shipped	Stocks held by producing companies	Quantity produced	Quantity shipped	Stocks held by producing companies
	Phosphoric acid (100% phosphoric oxide)	731,286	362,193	258,161	778,815	352,218	283,449	846,524	334,717	335,575
28741 81	Thermal	60,543	21,915	20,042	55,571	19,286	13,588	51,137	15,223	17,634
28741 85	Wet	670,743	340,278	238,119	723,244	332,932	269,861	795,387	319,494	317,941
	By use:									
28741 86	Fertilizer	631,826	(X)	(D)	684,365	(X)	(D)	748,122	(X)	(D)
28741 87	Feed and other	38,917	(X)	(D)	38,879	(X)	(D)	47,265	(X)	(D)
	By grade:									
28741 88	Ortho (less than 65% P_2O_5)	559,183	(X)	(D)	586,363	(X)	(D)	674,859	(X)	246,600
28741 89	Super (more than 65% P_2O_5)	(S)	(X)	(D)	136,881	(X)	(D)	113,617	(X)	71,341

(D) Data withheld to avoid disclosing figures for individual companies but are included in higher level. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census. (X) Not applicable.

Table 4. PRODUCTION, SHIPMENTS, CONSUMPTION, AND STOCKS OF SUPERPHOSPHATE AND OTHER PHOSPHATIC FERTILIZER MATERIALS, BY TYPE

(Short tons)

Product code	Product description	Basis	June 1986	May 1986	June 1985
28742 --	Superphosphate and other phosphatic fertilizer materials:				
	Production:				
	Gross weight	.....	921,188	1,031,144	1,318,336
	Phosphoric oxide content	100% P_2O_5	418,714	461,933	593,884
	Shipments, including interplant transfers	..do.	399,120	439,238	502,432
	Used in plants (captive)	..do.	2,690	3,755	5,618
	Stocks on hand, end of month	Gross wt.	791,804	r670,520	961,015
28742 15	Normal and enriched:				
	Production:				
	Gross weight	.....	a9,313	a19,207	30,023
	Phosphoric oxide content	100% P_2O_5	a1,961	a3,946	5,786
	Shipments, including interplant transfers	..do.	a1,238	2,536	3,747
	Used in plants (captive)	..do.	a2,559	a3,687	a5,512
	Stocks on hand, end of month	Gross wt.	a31,028	a35,784	a25,463
28742 41	Concentrated:				
	Production:				
	Gross weight	.....	149,781	192,589	222,773
	Phosphoric oxide content	100% P_2O_5	69,861	89,635	103,211
	Shipments, including interplant transfers	..do.	41,448	60,275	88,217
	Used in plants (captive)	..do.	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt.	205,356	144,256	143,721
	Ammonium phosphate:				
28742 51	Monoammonium phosphates:				
	Production:				
	Gross weight	.....	70,539	74,991	73,242
	Nitrogen content	100% N	7,480	8,448	8,053
	Phosphoric oxide content	100% P_2O_5	36,188	38,204	37,657
	Shipments, including interplant transfers	..do.	40,614	37,526	31,781
	Used in plants (captive)	..do.	-	-	(D)
	Stocks on hand, end of month	Gross wt.	80,110	86,920	100,056
28742 52	Diammonium phosphates:				
	Production:				
	Gross weight	.....	645,645	691,861	944,693
	Nitrogen content	100% N	116,201	124,497	165,274
	Phosphoric oxide content	100% P_2O_5	297,637	318,924	436,320
	Shipments, including interplant transfers	..do.	311,836	322,324	375,133
	Used in plants (captive)	..do.	(D)	(D)	-
	Stocks on hand, end of month	Gross wt.	423,365	371,696	623,729
28742 55	Other ammonium phosphates:				
	Production:				
	Gross weight	.....	[1]45,910	[1]52,496	[1]47,605
	Nitrogen content	100% N	[1]6,648	[1]7,774	[1]6,876
	Phosphoric oxide content	100% P_2O_5	[1]11,411	[1] r12,680	[1]10,910
	Shipments, including interplant transfers	..do.	[1]3,984	[1]6,577	[1]3,554
	Used in plants (captive)	..do.	[1](D)	[1](D)	[1](D)
	Stocks on hand, end of month	Gross wt.	[1]51,945	[1]31,864	[1]68,046
28742 61	Other phosphatic fertilizer materials:				
	Production:				
	Gross weight	.....	(1)	(1)	(1)
	Nitrogen content	100% N	(1)	(1)	(1)
	Phosphoric oxide content	100% P_2O_5	(1)	(1)	(1)
	Shipments, including interplant transfers	..do.	(1)	(1)	(1)
	Used in plants (captive)	..do.	(1)	(1)	(1)
	Stocks on hand, end of month	Gross wt.	(1)	(1)	(1)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): a20 percent or more of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. N = Nitrogen content. P_2O_5 = Phosphoric oxide content. rRevised by 5 percent or more from previously published figures.

[1]Other ammonium phosphates is combined with other phosphatic fertilizer materials to avoid disclosure of figures for individual companies.

Table 5. PRIMARY PRODUCTION AND STOCKS OF SULFURIC ACID

(Short tons)

Product code	Chemical and basis	June 1986		May 1986		June 1985	
		Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants
	Sulfuric acid (100%):[1]						
	Total gross	2,910,971	788,848	3,106,213	800,233	3,323,730	859,260
28193 10	Oleum grades	123,281	(X)	195,724	(X)	135,160	(X)
28193 31	Other than oleum grades	2,787,690		2,910,489		3,188,570	
28193 51	Sulfuric acid produced from decomposition of alkylation acid, other spent acids and sludge acid and included in above production figures	170,259	50,172	191,062	r51,558	111,866	67,883
28193 71	Spent acid fortified in contact units and included in above production figures	15,542	6,782	15,411	4,041	12,896	5,752
	Total new acid[2]	2,725,170	(X)	2,899,740	(X)	3,198,968	(X)

rRevised by 5 percent or more from previously published figures. (X) Not applicable.

[1]Includes data for Government-owned, contractor-operated plants.
[2]Total new acid equals total gross acid, minus fortified spent acid and sulfuric acid produced from the decomposition of alkylation acid, other spent acids and sludge acid.

Table 6. PRODUCTION OF SELECTED INORGANIC FERTILIZER MATERIALS, BY STATE

(Short tons)

State	Ammonia (100%)	Nitric acid (100%)	Phosphoric acid (100% P_2O_5)	Urea (100%)	Superphosphates and other phosphatic fertilizer materials (100% P_2O_5)	New sulfuric acid (100%)
JUNE 1986						
United States	1,089,515	530,551	731,286	488,589	418,714	2,725,170
Alabama	(D)	(D)	-	(D)	-	(D)
Florida	(D)	40,213	a403,268	(D)	254,053	1,220,355
Georgia	(D)	(D)	(D)	(D)	(D)	(D)
Illinois	(D)	(D)	11,734	(D)	-	49,725
Iowa	48,320	(D)	-	(D)	(D)	(D)
Louisiana	433,891	61,192	153,179	150,844	111,268	455,935
Missouri	-	(S)	(D)	-	(D)	(D)
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	-	27,615
Oklahoma	(D)	29,705	-	53,512	-	(D)
Tennessee	(D)	(D)	(D)	(D)	-	(D)
Texas	45,022	(D)	(D)	(D)	(D)	134,851
California	-	25,931	(D)	(D)	(D)	58,197
All other states	327,509	165,579	115,579	95,972	36,975	629,369
MAY 1986						
United States	1,255,069	624,001	788,815	606,224	461,933	2,899,740
Alabama	(D)	(D)	-	(D)	(D)	(D)
Florida	(D)	53,063	433,324	(D)	273,043	1,255,395
Georgia	(D)	(D)	(D)	(D)	(D)	(D)
Illinois	(D)	(D)	11,496	(D)	(D)	60,822
Iowa	37,168	(D)	-	(D)	(D)	(D)
Louisiana	493,479	66,399	162,215	206,951	133,891	485,992
Missouri	-	53,841	(D)	(D)	(D)	(D)
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	(D)	26,924
Oklahoma	(D)	(D)	-	(D)	-	(D)
Tennessee	(D)	(D)	(D)	(D)	-	(D)
Texas	81,644	(D)	(D)	(D)	(D)	121,969
California	-	24,078	(D)	(D)	(D)	59,870
All other states	416,883	198,694	136,293	117,658	42,735	727,010

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): a20 percent or more of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census.

Table 7. PRODUCTION, INVENTORY, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED INORGANIC FERTILIZER MATERIALS: MAY 1986

(Short tons)

Product code[1]	Product description	Beginning stock May 1986	Quantity produced	Imports for consumption[2]	Ending stock May 1986	Exports of domestic merchandise[3]	Apparent consumption[4]	Percent imports to apparent consumption
28731 30	Anhydrous ammonia, for fertilizer use..	1,646,765	1,135,890	269,811	1,487,871	61,644	1,502,951	17.9
28731 50	Ammonium nitrate, original solution....	178,987	494,767	60,907	169,585	91,973	473,103	12.9
28731 56 28731 58	Ammonium sulfate.....	205,076	191,532	11,575	211,010	65,646	121,527	8.8
28731 65 28731 66 28731 67	Nitrogen solutions.....	706,101	253,044	25,933	551,103	3,757	430,218	6.0
28732 —	Urea.....	344,855	606,224	344,677	337,841	26,926	930,989	65.1
28741 81 28741 85	Phosphoric acid.....	216,535	778,816	-	283,449	(D)	(D)	(D)
28742 15	Normal and enriched superphosphates[5]...	41,289	19,207	-	35,784	2,782	21,930	-
28742 41	Concentrated superphosphates[5].....	82,670	192,589	-	144,256	95,203	35,800	-
28742 52	Diammonium phosphates[5].....	303,210	691,861	2,784	371,696	346,720	279,439	1.0
28742 51 28742 55 28742 61	Monoammonium phosphates, other ammonium phosphates, and other phosphatic fertilizer materials[5].....	131,827	74,991	7,396	86,920	34,295	92,999	8.0
28193 00	Sulfuric acid.....	779,146	3,106,213	613,703	800,233	6,062	3,692,767	16.6

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

[1] For comparison of Standard Industrial Classification codes, Schedule B export numbers, and TSUSA import numbers, see table 8 in the January 1986 report, M28B(86)-1, issued March 1986.

[2] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.

[3] Source: Bureau of the Census report EM 546, U.S. Exports.

[4] Apparent consumption represents new domestic supply and is derived by subtracting exports from the total of manufacturers' production plus imports, and adjusting for changes in stocks.

[5] Gross weight.

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Inorganic Fertilizer Materials and Related Products

U.S. Department of Commerce
BUREAU OF THE CENSUS

JULY 1986

M28B(86)-7
Issued September 1986

The statistics in this report are based on a survey of producers of sulfuric acid, inorganic fertilizer chemicals, and phosphatic fertilizer material. The statistics represent total production and stocks of U.S. manufacturers of nitric acid, sulfuric acid, ammonia, and phosphatic fertilizer materials. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report, M28B(86)-1, issued March 1986.

This report is available electronically in CENDATA, the Bureau's online information service through a commercial vendor. The electronic version of this report will be available approximately one week earlier than the printed report. The CENDATA report for August 1986 will be released on or about October 6, 1986. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF PRINCIPAL INORGANIC FERTILIZERS: 1984 TO 1986

(1,000 short tons)

Month and year	Ammonia, synthetic anhydrous (28731 31) (100%)	Ammonium nitrate original solution (28731 50)	Ammonium sulfate (28731 61 162)	Urea (28732 15) (100%)	Nitric acid (28731 12) (100%)	Phosphoric acid (28741 81 185) (100% P_2O_5)	Sulfuric acid, gross (28193 00) (100%)	Phosphatic fertilizer materials (28742 00) (100% P_2O_5)
1986								
July	1,008	366	139	422	446	692	2,899	426
Fertilizer year (July 1985-June 1986)	14,876	6,272	2,073	6,085	7,295	9,428	37,238	5,852
June	1,119	448	180	489	528	721	2,914	419
May	1,255	494	192	606	624	778	3,106	462
April	1,266	529	166	602	638	823	3,212	511
March	1,254	613	193	546	691	842	3,252	489
February	1,180	521	169	522	584	666	2,736	403
January	1,237	481	172	495	568	579	2,608	360
1985								
Total	16,201	6,906	2,049	6,556	7,778	10,492	39,615	6,986
December	1,256	485	162	439	546	735	2,963	421
November	1,198	544	134	456	638	799	3,094	511
October	1,327	561	185	534	650	922	3,409	542
September	1,241	532	165	453	621	919	3,375	565
August	1,231	508	162	448	594	802	3,248	557
July	1,312	556	175	495	613	842	3,321	612
Fertilizer year (July 1984-June 1985)	16,959	7,179	2,076	7,489	7,867	11,341	41,197	7,898
June	1,407	607	159	597	682	847	3,324	594
May	1,460	665	195	646	720	914	3,350	648
April	1,463	628	172	623	698	968	3,540	651
March	1,485	644	186	672	708	996	3,553	664
February	1,359	552	163	586	627	860	3,127	593
January	1,462	624	171	607	681	888	3,311	628
1984								
Total	16,692	7,146	2,067	7,433	7,726	11,370	41,802	8,020
December	1,543	614	169	682	655	1,001	3,590	649
November	1,482	589	177	672	635	1,002	3,364	681
October	1,414	602	189	717	628	1,019	3,601	702
September	1,330	562	178	621	623	980	3,445	704
August	1,348	518	164	509	576	977	3,583	712
July	1,206	574	153	557	634	889	3,409	672
Fertilizer year (July 1983-June 1984)	15,407	6,630	2,046	6,557	7,385	10,579	40,121	7,584

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Gisela B. Hoffman, (301) 763-7807.

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Table 2. PRIMARY PRODUCTION AND STOCKS OF NITROGENOUS FERTILIZER MATERIALS

(Short tons)

Product code	Chemical and basis	July 1986 Quantity produced	July 1986 Stocks held by producing companies[1]	June 1986 Quantity produced	June 1986 Stocks held by producing companies[1]	July 1985 Quantity produced	July 1985 Stocks held by producing companies[1]
	Ammonia:						
28731 31	Synthetic, anhydrous (100%)	1,007,536	1,463,054	1,119,982	1,401,289	1,312,272	1,146,427
28731 30	Fertilizer use	961,636	1,432,467	1,036,648	1,359,151	1,213,080	1,101,341
28731 32	Other uses	45,900	30,587	83,334	42,138	99,192	45,086
	Ammonium nitrate (100%):						
28731 50	Original solution[1]	a365,739	183,239	a447,765	176,394	555,876	a154,377
	Fertilizer use:						
28731 52	Solution produced for sale as such for direct application	36,828	34,264	48,076	30,039	47,091	42,751
28731 54	Solution produced for consumption in the manufacture of nitrogen solutions or other fertilizer materials	134,855	24,079	r147,779	28,212	a177,559	17,284
28731 51	Solid	94,423	97,968	127,766	98,886	a172,050	112,139
28731 53	Other uses[2]	a116,792	(S)	116,182	(S)	a110,961	(S)
28731 57	Ammonium sulfate(100%)[3]	a159,022	159,053	a180,097	204,753	174,920	217,858
28731 56	Synthetic	(D)	(D)	(D)	(D)	(D)	(D)
28731 58	Byproduct, other than coke oven	(D)	(D)	(D)	(D)	(D)	(D)
	Nitrogen solutions, including mixtures (100% N)	184,521	4 a504,759	198,484	4 a482,175	201,596	390,053
28731 65	Solutions containing ammonia	4(S)	a118,879	4(S)	a114,915	a35,641	84,159
28731 66	Ammonium nitrate/urea solutions	a144,812	385,880	a151,293	367,260	165,955	305,894
28731 67	All other	(4)	(4)	(4)	(4)	(4)	(4)
28731 12	Nitric acid (100%)[5]	446,480	(X)	528,224	(X)	612,528	(X)
28732 --	Urea (100%)	421,766	377,233	488,589	r323,602	494,777	524,318
	For fertilizer use:						
28732 16	Solutions produced as intermediate in nitrogen solutions	120,378	379	166,334	512	172,196	(S)
28732 18	Solid	278,745	367,113	294,883	307,128	296,187	506,242
	Other uses:						
28732 21	Feed (solid and solution)	6,940	(D)	7,136	(D)	3,230	(D)
28732 22	All other (solid and solution)	15,703	(D)	20,236	(D)	23,164	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): a20 percent or more of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. rRevised by 5 percent or more from previously published figures. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census. (X) Not applicable.

[1]Stocks held by producing companies include amounts held at their nonproducing locations.
[2]Production represents total amount of ammonium nitrate produced including amounts used for fertilizer, explosive, and other uses, and amounts consumed in manufacturing other products, such as nitrogen solutions. Stocks represent total stocks held by producing companies, including stock of original solution and amounts (liquid and solid) reported as fertilizer, explosives, or other uses.
[3]Excludes coke oven byproduct ammonium sulfate.
[4]"All other nitrogen solutions" is combined with "Solutions containing ammonia," to avoid disclosing figures for individual companies.
[5]Includes data for Government-owned, contractor-operated plants.

Table 3. PRIMARY PRODUCTION, SHIPMENTS, AND STOCKS OF PHOSPHORIC ACID

(Short tons)

Product code	Chemical and basis	July 1986 Quantity produced	July 1986 Quantity shipped	July 1986 Stocks held by producing companies	June 1986 Quantity produced	June 1986 Quantity shipped	June 1986 Stocks held by producing companies	July 1985 Quantity produced	July 1985 Quantity shipped	July 1985 Stocks held by producing companies
	Phosphoric acid (100% phosphoric oxide)	692,070	300,373	235,291	721,428	323,558	258,163	841,919	340,091	309,560
28741 81	Thermal	44,971	21,514	20,431	r48,779	21,915	20,042	41,256	13,851	15,500
28741 85	Wet	647,099	a278,859	214,860	672,649	r301,643	238,121	800,663	326,240	294,060
	By use:									
28741 86	Fertilizer	602,415	(X)	(D)	633,989	(X)	(D)	755,562	(X)	(D)
28741 87	Feed and other	44,684	(X)	(D)	38,910	(X)	(D)	45,101	(X)	(D)
	By grade:									
28741 88	Ortho (less than 65% P_2O_5)	514,745	(X)	(D)	553,366	(X)	(D)	671,389	(X)	233,378
28741 89	Super (more than 65% P_2O_5)	(S)	(X)	(D)	(S)	(X)	(D)	125,270	(X)	60,682

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): a20 percent or more of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies but are included in higher level. rRevised by 5 percent or more from previously published figures. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census. (X) Not applicable.

Table 4. PRODUCTION, SHIPMENTS, CONSUMPTION, AND STOCKS OF SUPERPHOSPHATE AND OTHER PHOSPHATIC FERTILIZER MATERIALS, BY TYPE

(Short tons)

Product code	Product description	Basis	July 1986	June 1986	July 1985
42 --	Superphosphate and other phosphatic fertilizer materials:				
	Production:				
	Gross weight	.....	955,686	921,188	1,324,841
	Phosphoric oxide content	100% P_2O_5	425,663	418,714	612,064
	Shipments, including interplant transfers	..do.....	481,023	399,120	634,561
	Used in plants (captive)	..do.....	4,972	2,690	1,166
	Stocks on hand, end of month	Gross wt.....	756,442	813,164	927,146
42 15	Normal and enriched:				
	Production:				
	Gross weight	.....	29,750	[a]9,313	[a]19,142
	Phosphoric oxide content	100% P_2O_5	7,042	[a]1,961	[a]3,754
	Shipments, including interplant transfers	..do.....	[a]953	[a]1,238	[a]1,695
	Used in plants (captive)	..do.....	4,534	[a]2,559	[a]1,007
	Stocks on hand, end of month	Gross wt.....	[a]36,631	[a]31,028	[a]31,642
42 41	Concentrated:				
	Production:				
	Gross weight	.....	149,566	149,781	232,674
	Phosphoric oxide content	100% P_2O_5	70,161	69,861	107,683
	Shipments, including interplant transfers	..do.....	70,113	41,448	87,037
	Used in plants (captive)	..do.....	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt.....	196,838	205,356	199,633
	Ammonium phosphate:				
42 51	Monoammonium phosphates:				
	Production:				
	Gross weight	.....	58,228	70,539	124,796
	Nitrogen content	100% N.....	5,966	7,480	13,973
	Phosphoric oxide content	100% P_2O_5	29,897	36,188	64,321
	Shipments, including interplant transfers	..do.....	35,360	40,614	66,671
	Used in plants (captive)	..do.....	-	-	(D)
	Stocks on hand, end of month	Gross wt.....	69,993	80,110	100,361
42 52	Diammonium phosphates:				
	Production:				
	Gross weight	.....	669,809	645,645	923,657
	Nitrogen content	100% N.....	118,291	116,201	169,193
	Phosphoric oxide content	100% P_2O_5	309,288	297,637	426,553
	Shipments, including interplant transfers	..do.....	368,309	311,836	474,271
	Used in plants (captive)	..do.....	-	(D)	(D)
	Stocks on hand, end of month	Gross wt.....	371,704	[r]444,725	517,331
42 55	Other ammonium phosphates:				
	Production:				
	Gross weight	.....	[1]48,333	[1]45,910	[1]24,572
	Nitrogen content	100% N.....	[1]8,080	[1]6,648	[1]2,880
	Phosphoric oxide content	100% P_2O_5	[1]9,275	[1]11,411	[1]9,753
	Shipments, including interplant transfers	..do.....	[1]6,288	[1]3,984	[1]4,887
	Used in plants (captive)	..do.....	[1](D)	[1](D)	[1](D)
	Stocks on hand, end of month	Gross wt.....	[1]81,276	[1]51,945	[1]78,179
42 61	Other phosphatic fertilizer materials:				
	Production:				
	Gross weight	.....	(1)	(1)	(1)
	Nitrogen content	100% N.....	(1)	(1)	(1)
	Phosphoric oxide content	100% P_2O_5	(1)	(1)	(1)
	Shipments, including interplant transfers	..do.....	(1)	(1)	(1)
	Used in plants (captive)	..do.....	(1)	(1)	(1)
	Stocks on hand, end of month	Gross wt.....	(1)	(1)	(1)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, MA(86)-1, issued March 1986, for a discussion of estimation of missing reports): [a]20 percent or more of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. N - Nitrogen content. P_2O_5 - Phosphoric oxide content. [r]Revised by 5 percent or more from previously published figures.

[1]Other ammonium phosphates is combined with other phosphatic fertilizer materials to avoid disclosure of figures for individual companies.

Table 5. PRIMARY PRODUCTION AND STOCKS OF SULFURIC ACID

(Short tons)

Product code	Chemical and basis	July 1986		June 1986		July 1985	
		Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants
	Sulfuric acid (100%):[1]						
	Total gross	2,899,381	705,231	2,914,027	786,788	3,320,505	838,306
28193 10	Oleum grades	138,732	(X)	125,032	(X)	131,126	(X)
28193 31	Other than oleum grades	2,760,649		2,788,995		3,189,379	
28193 51	Sulfuric acid produced from decomposition of alkylation acid, other spent acids and sludge acid and included in above production figures	169,204	57,865	171,924	58,637	156,589	74,414
28193 71	Spent acid fortified in contact units and included in above production figures	16,465	7,340	15,542	6,782	15,071	4,363
	Total new acid[2]	2,713,712	(X)	2,726,561	(X)	3,148,845	(X)

(X) Not applicable.

[1] Includes data for Government-owned, contractor-operated plants.
[2] Total new acid equals total gross acid, minus fortified spent acid and sulfuric acid produced from the decomposition of alkylation acid, other spent acids and sludge acid.

Table 6. PRODUCTION OF SELECTED INORGANIC FERTILIZER MATERIALS, BY STATE

(Short tons)

State	Ammonia (100%)	Nitric acid (100%)	Phosphoric acid (100% P_2O_5)	Urea (100%)	Superphosphates and other phosphatic fertilizer materials (100% P_2O_5)	New sulfuric acid (100%)
JULY 1986						
United States	1,007,536	446,480	692,070	421,766	425,663	2,713,712
Alabama	(D)	(D)	-	(D)	-	(D)
Florida	(D)	34,423	423,138	(D)	273,277	1,293,209
Georgia	(D)	(D)	(D)	(D)	(D)	(D)
Illinois	(D)	(D)	11,463	(D)	-	42,782
Iowa	41,128	(D)	-	(D)	(D)	(D)
Louisiana	459,040	30,445	120,497	182,418	105,895	367,182
Missouri	-	(S)	(D)	-	(D)	(D)
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	-	31,694
Oklahoma	(D)	35,370	-	(D)	-	(D)
Tennessee	(D)	(D)	(D)	(D)	-	(D)
Texas	14,844	(D)	(D)	-	(D)	158,814
California	(D)	22,693	(D)	(D)	(D)	59,601
All other states	259,690	121,056	100,810	116,945	31,106	616,239
JUNE 1986						
United States	1,119,982	528,224	721,428	488,589	418,714	2,726,561
Alabama	(D)	(D)	-	(D)	-	(D)
Florida	(D)	40,213	403,135	(D)	254,053	1,218,589
Georgia	(D)	(D)	(D)	(D)	(D)	(D)
Illinois	(D)	(D)	11,734	(D)	-	48,703
Iowa	48,320	(D)	-	(D)	(D)	(D)
Louisiana	469,720	61,192	153,179	150,844	111,268	455,935
Missouri	-	(S)	(D)	-	(D)	(D)
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	-	27,615
Oklahoma	(D)	29,705	-	53,512	-	(D)
Tennessee	(D)	(D)	(D)	(D)	-	(D)
Texas	43,092	(D)	(D)	(D)	(D)	134,851
California	-	25,931	(D)	(D)	(D)	58,331
All other states	282,287	167,154	117,618	98,628	36,975	633,413

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census.

Table 7. PRODUCTION, INVENTORY, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED INORGANIC FERTILIZER MATERIALS: JUNE 1986

(Short tons)

Product code[1]	Product description	Beginning stock June 1986	Quantity produced	Imports for consumption[2]	Ending stock June 1986	Exports of domestic merchandise[3]	Apparent consumption[4]	Percent imports to apparent consumption
28731 30	Anhydrous ammonia, for fertilizer use..	1,487,871	1,119,982	158,541	1,359,151	65,803	1,341,440	11.8
28731 50	Ammonium nitrate, original solution....	169,585	447,765	50,913	176,394	290,633	201,236	25.3
28731 56 28731 58	Ammonium sulfate.....	211,010	180,097	21,119	204,753	65,250	142,223	14.8
28731 65 28731 66 28731 67	Nitrogen solutions.....	551,103	198,484	38,602	482,175	2,772	303,242	12.7
28732 --	Urea.....	337,841	488,589	228,708	323,602	64,918	666,618	34.3
28741 81 28741 85	Phosphoric acid.....	283,449	721,428	2,391	258,163	(D)	(D)	(D)
28742 15	Normal and enriched superphosphates[5]...	35,784	9,313	26	31,028	-	14,095	0.2
28742 41	Concentrated superphosphates[5].....	144,256	149,781	31	205,356	58,096	30,616	0.1
28742 52	Diammonium phosphates[5].....	371,696	645,645	1,635	444,725	422,317	150,934	0.1
28742 51 28742 55 28742 61	Monoammonium phosphates, other ammonium phosphates, and other phosphatic fertilizer materials[5].....	118,784	116,449	3,271	132,055	74,929	31,520	10.4
28193 00	Sulfuric acid.....	800,233	2,726,561	5,422	786,788	5,422	2,740,006	0.2

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

[1] For comparison of Standard Industrial Classification codes, Schedule B export numbers, and TSUSA import numbers, see table 8 in the January 1986 report, M28B(86)-1, issued March 1986.

[2] Source: Bureau of the Census report IM 145-K, U.S. Imports for Consumption and General Imports.

[3] Source: Bureau of the Census report EM 546, U.S. Exports.

[4] Apparent consumption represents new domestic supply and is derived by subtracting exports from the total of manufacturers' production plus imports, and adjusting for changes in stocks.

[5] Gross weight.

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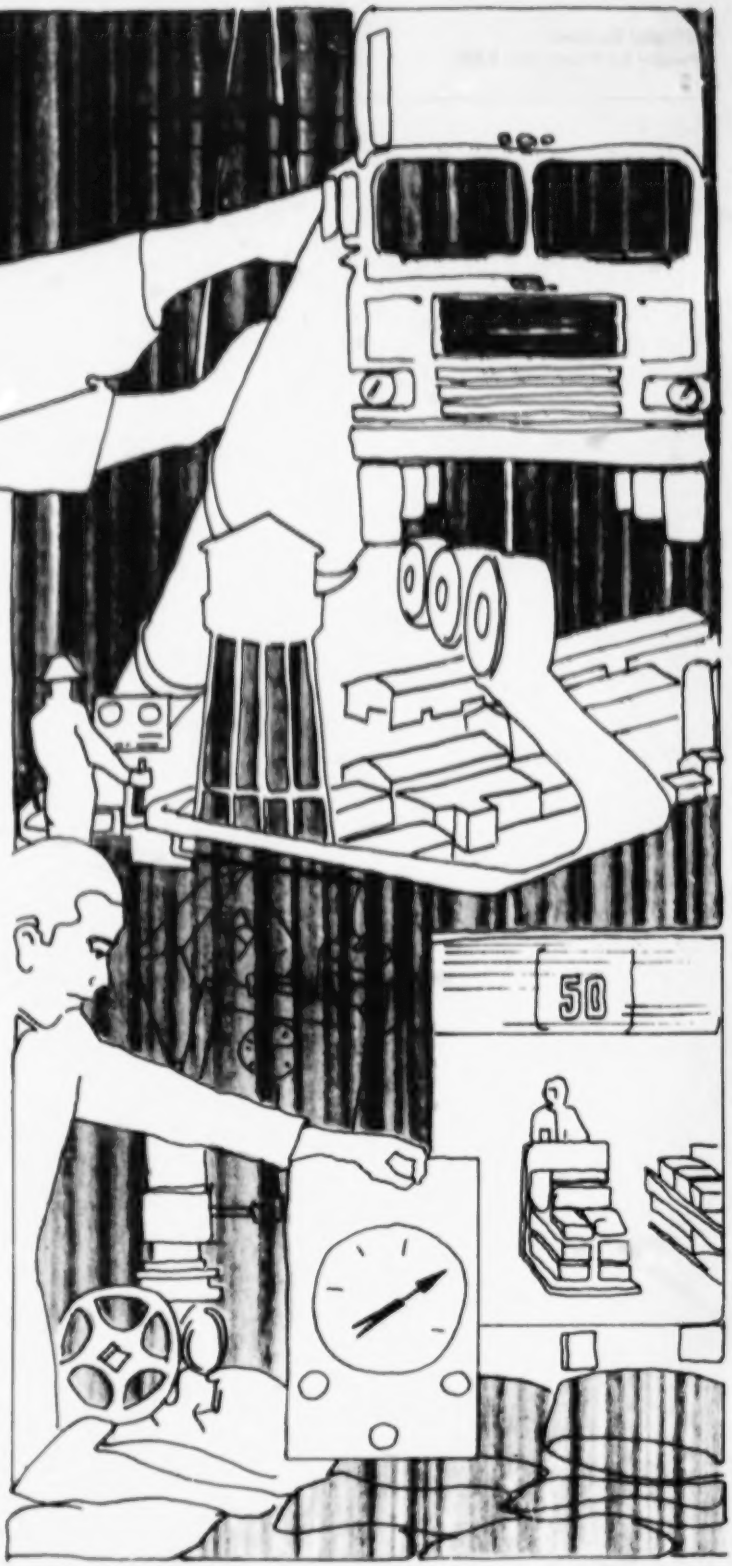

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The statistics in this report are based on a survey of producers of sulfuric acid, inorganic fertilizer chemicals, and phosphatic fertilizer material. The statistics represent total production and stocks of U.S. manufacturers of nitric acid, sulfuric acid, ammonia, and phosphatic fertilizer materials. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report, M28B(86)-1, issued March 1986.

This report is available electronically in CENDATA, the Bureau's online information service through a commercial vendor. The electronic version of this report will be available approximately one week earlier than the printed report. The CENDATA report for September 1986 will be released on or about November 5, 1986. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF PRINCIPAL INORGANIC FERTILIZERS: 1984 TO 1986

(1,000 short tons)

Month and year	Ammonia, synthetic anhydrous (28731 31) (100%)	Ammonium nitrate original solution (28731 50)	Ammonium sulfate (28731 61 162)	Urea (28732 15) (100%)	Nitric acid (28731 12) (100%)	Phosphoric acid (28741 81 185) (100% P_2O_5)	Sulfuric acid, gross (28193 00) (100%)	Phosphatic fertilizer materials (28742 00) (100% P_2O_5)
1986								
August	1,097	377	157	473	452	706	2,877	489
July	1,008	366	160	422	446	692	2,899	425
Fertilizer year (July 1985-June 1986)	14,876	6,272	2,075	6,085	7,295	9,428	37,238	5,852
June	1,119	448	180	489	528	721	2,914	419
May	1,255	494	192	606	624	778	3,106	462
April	1,266	529	166	602	638	823	3,212	511
March	1,254	613	193	546	691	842	3,252	489
February	1,180	521	169	522	584	666	2,736	403
January	1,237	481	172	495	568	579	2,608	360
1985								
Total	16,201	6,906	2,049	6,556	7,778	10,492	39,615	6,986
December	1,256	485	162	439	546	735	2,963	421
November	1,198	544	154	456	638	799	3,094	511
October	1,327	561	185	534	650	922	3,409	542
September	1,241	532	165	453	621	919	3,375	565
August	1,231	508	162	448	594	802	3,248	557
July	1,312	556	175	495	613	842	3,321	612
Fertilizer year (July 1984-June 1985)	16,959	7,179	2,076	7,489	7,867	11,341	41,197	7,898
June	1,407	607	159	597	682	847	3,324	594
May	1,460	665	195	646	720	914	3,350	648
April	1,463	628	172	623	698	968	3,540	651
March	1,485	644	186	672	708	996	3,553	664
February	1,359	552	163	586	627	860	3,127	593
January	1,462	624	171	607	681	888	3,311	628
1984								
Total	16,692	7,146	2,067	7,433	7,726	11,370	41,802	8,020
December	1,543	614	169	682	655	1,001	3,590	649
November	1,482	589	177	672	635	1,002	3,364	681
October	1,414	602	189	717	628	1,019	3,601	702
September	1,330	562	178	621	623	980	3,445	704
August	1,348	518	164	509	576	977	3,583	712

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Gisela B. Hoffman, (301) 763-7807.

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Table 2. PRIMARY PRODUCTION AND STOCKS OF NITROGENOUS FERTILIZER MATERIALS

(Short tons)

Product code	Chemical and basis	August 1986		July 1986		August 1985	
		Quantity produced	Stocks held by producing companies[1]	Quantity produced	Stocks held by producing companies[1]	Quantity produced	Stocks held by producing companies[1]
	Ammonia:						
28731 31	Synthetic, anhydrous (100%)	1,097,432	1,489,207	1,007,919	1,483,434	1,231,256	1,295,144
28731 30	Fertilizer use	999,892	1,443,382	962,023	1,454,055	1,145,073	1,251,554
28731 32	Other uses	97,540	45,825	45,896	29,379	86,183	43,590
	Ammonium nitrate (100%):						
28731 50	Original solution[1]	[a]377,198	154,837	[a]365,739	183,239	[a]508,095	[a]211,455
	Fertilizer use:						
28731 52	Solution produced for sale as such for direct application	39,291	40,130	36,828	34,264	39,952	59,482
28731 54	Solution produced for consumption in the manufacture of nitrogen solutions or other fertilizer materials	[a]111,949	21,491	[a]134,855	24,079	[a]198,823	20,516
28731 51	Solid	108,548	109,060	94,423	97,968	118,367	123,552
28731 53	Other uses[2]	[a]122,446	(S)	116,792	(S)	[a]105,583	(S)
28731 57	Ammonium sulfate(100%)[3]	156,926	164,560	160,171	[r]172,820	161,745	222,816
28731 56	Synthetic	(D)	15,695	(D)	21,113	(D)	25,975
28731 58	Byproduct, other than coke oven	(D)	148,865	(D)	151,707	(D)	196,841
	Nitrogen solutions, including mixtures (100% N)	184,579	[4]578,104	184,521	[4]504,412	229,715	[4]522,230
28731 65	Solutions containing ammonia	[4](S)	135,918	[4](S)	115,781	[4](S)	109,942
28731 66	Ammonium nitrate/urea solutions	[a]152,226	442,186	[a]144,812	388,631	177,501	412,288
28731 67	All other	([4])	([4])	([4])	([4])	([4])	([4])
28731 12	Nitric acid (100%)[5]	451,501	(X)	446,480	(X)	593,555	(X)
28732 —	Urea (100%)	472,505	437,168	421,766	376,233	447,561	513,523
	For fertilizer use:						
28732 16	Solutions produced as intermediate in nitrogen solutions	[a]136,389	299	[a]120,378	379	186,074	(S)
28732 18	Solid	311,159	436,869	278,745	367,113	246,892	498,437
	Other uses:						
28732 21	Feed (solid and solution)	6,965	(D)	(D)	(D)	5,670	(D)
28732 22	All other (solid and solution)	17,992	(D)	(D)	(D)	8,925	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): [a]20 percent or more of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. [r]Revised by 5 percent or more from previously published figures. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census. (X) Not applicable.

[1]Stocks held by producing companies include amounts held at their nonproducing locations.
[2]Production represents total amount of ammonium nitrate produced including amounts used for fertilizer, explosive, and other uses, and amounts consumed in manufacturing other products, such as nitrogen solutions. Stocks represent total stocks held by producing companies, including stock of original solution and amounts (liquid and solid) reported as fertilizer, explosives, or other uses.
[3]Excludes coke oven byproduct ammonium sulfate.
[4]"All other nitrogen solutions" is combined with "Solutions containing ammonia," to avoid disclosing figures for individual companies.
[5]Includes data for Government-owned, contractor-operated plants.

Table 3. PRIMARY PRODUCTION, SHIPMENTS, AND STOCKS OF PHOSPHORIC ACID

(Short tons)

Product code	Chemical and basis	August 1986			July 1986			August 1985		
		Quantity produced	Quantity shipped	Stocks held by producing companies	Quantity produced	Quantity shipped	Stocks held by producing companies	Quantity produced	Quantity shipped	Stocks held by producing companies
	Phosphoric acid (100% phosphoric oxide)	705,754	247,083	237,456	692,070	300,373	236,472	802,182	400,832	259,561
28741 81	Thermal	49,454	13,598	12,941	44,971	21,514	[r]16,199	51,229	15,328	14,622
28741 85	Wet	656,300	[a]233,485	224,515	647,099	[a]278,859	220,273	750,953	385,504	244,939
	By use:									
28741 86	Fertilizer	622,612	(X)	(D)	602,415	(X)	(D)	707,574	(X)	(D)
28741 87	Feed and other	33,688	(X)	(D)	44,684	(X)	(D)	43,379	(X)	(D)
	By grade:									
28741 88	Ortho (less than 65% P_2O_5)	545,044	(X)	(D)	(D)	(X)	(D)	600,612	(X)	(D)
28741 89	Super (more than 65% P_2O_5)	110,069	(X)	(D)	(D)	(X)	(D)	149,180	(X)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): [a]20 percent or more of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies but are included in higher level. [r]Revised by 5 percent or more from previously published figures. (X) Not applicable.

Table 4. PRODUCTION, SHIPMENTS, CONSUMPTION, AND STOCKS OF SUPERPHOSPHATE AND OTHER PHOSPHATIC FERTILIZER MATERIALS, BY TYPE

(Short tons)

Product code	Product description	Basis	August 1986	July 1986	August 1985
28742 --	Superphosphate and other phosphatic fertilizer materials:				
	Production:				
	Gross weight	.....	1,083,516	953,976	1,220,415
	Phosphoric oxide content	100% P_2O_5	488,826	425,317	556,935
	Shipments, including interplant transfers	..do	535,795	480,895	608,094
	Used in plants (captive)	..do	18,814	4,972	1,667
	Stocks on hand, end of month	Gross wt	651,972	763,407	833,225
28742 15	Normal and enriched:				
	Production:				
	Gross weight	.....	35,449	r28,040	a24,059
	Phosphoric oxide content	100% P_2O_5	a8,956	r6,696	a4,686
	Shipments, including interplant transfers	..do	a2,188	a r825	a2,758
	Used in plants (captive)	..do	12,577	4,534	a1,393
	Stocks on hand, end of month	Gross wt	34,976	r37,934	a44,238
28742 41	Concentrated:				
	Production:				
	Gross weight	.....	205,526	149,566	209,344
	Phosphoric oxide content	100% P_2O_5	98,608	70,161	96,918
	Shipments, including interplant transfers	..do	111,032	70,113	113,157
	Used in plants (captive)	..do	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt	151,869	202,500	167,916
	Ammonium phosphate:				
28742 51	Monoammonium phosphates:				
	Production:				
	Gross weight	.....	73,093	58,228	124,451
	Nitrogen content	100% N	8,049	5,966	13,750
	Phosphoric oxide content	100% P_2O_5	37,720	29,897	65,248
	Shipments, including interplant transfers	..do	43,747	35,360	61,299
	Used in plants (captive)	..do	-	-	(D)
	Stocks on hand, end of month	Gross wt	56,157	69,993	107,288
28742 52	Diammonium phosphates:				
	Production:				
	Gross weight	.....	714,738	669,809	830,431
	Nitrogen content	100% N	125,842	118,291	150,846
	Phosphoric oxide content	100% P_2O_5	329,870	309,288	383,764
	Shipments, including interplant transfers	..do	353,521	368,309	422,980
	Used in plants (captive)	..do	-	-	-
	Stocks on hand, end of month	Gross wt	374,989	371,704	443,536
28742 55	Other ammonium phosphates:				
	Production:				
	Gross weight	.....	1 54,710	1 48,333	1 32,130
	Nitrogen content	100% N	17,813	18,080	15,703
	Phosphoric oxide content	100% P_2O_5	1 13,672	19,275	16,319
	Shipments, including interplant transfers	..do	1 25,307	16,288	17,900
	Used in plants (captive)	..do	1 (D)	1 (D)	1 (D)
	Stocks on hand, end of month	Gross wt	1 33,981	1 81,276	1 70,247
28742 61	Other phosphatic fertilizer materials:				
	Production:				
	Gross weight	.....	(1)	(1)	(1)
	Nitrogen content	100% N	(1)	(1)	(1)
	Phosphoric oxide content	100% P_2O_5	(1)	(1)	(1)
	Shipments, including interplant transfers	..do	(1)	(1)	(1)
	Used in plants (captive)	..do	(1)	(1)	(1)
	Stocks on hand, end of month	Gross wt	(1)	(1)	(1)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): a20 percent or more of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. N - Nitrogen content. P_2O_5 - Phosphoric oxide content. rRevised by 5 percent or more from previously published figures.

1Other ammonium phosphates is combined with other phosphatic fertilizer materials to avoid disclosure of figures for individual companies.

Table 5. PRIMARY PRODUCTION AND STOCKS OF SULFURIC ACID

(Short tons)

Product code	Chemical and basis	August 1986		July 1986		August 1985[r]	
		Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants
	Sulfuric acid (100%):[1]						
	Total gross	2,877,126	731,812	2,899,381	705,231	3,270,900	859,075
28193 10	Oleum grades	131,602	(X)	138,732	(X)	130,936	(X)
28193 31	Other than oleum grades	2,745,524		2,760,649		3,139,964	
28193 51	Sulfuric acid produced from decomposition of alkylation acid, other spent acids and sludge acid and included in above production figures	195,588	51,786	[r]188,663	55,997	158,500	81,710
28193 71	Spent acid fortified in contact units and included in above production figures	18,798	7,107	16,465	7,340	13,900	6,181
	Total new acid[2]	2,662,740	(X)	2,694,253	(X)	3,098,500	(X)

[r]Revised by 5 percent or more from previously published figures. (X) Not applicable.

[1]Includes data for Government-owned, contractor-operated plants.
[2]Total new acid equals total gross acid, minus fortified spent acid and sulfuric acid produced from the decomposition of alkylation acid, other spent acids and sludge acid.

Table 6. PRODUCTION OF SELECTED INORGANIC FERTILIZER MATERIALS, BY STATE

(Short tons)

State	Ammonia (100%)	Nitric acid (100%)	Phosphoric acid (100% P_2O_5)	Urea (100%)	Superphosphates and other phosphatic fertilizer materials (100% P_2O_5)	New sulfuric acid (100%)
AUGUST 1986						
United States	1,097,432	451,501	705,754	472,505	488,826	2,662,740
Alabama	(D)	(D)	-	(D)	-	(D)
Florida	(D)	(D)	411,889	(D)	279,353	1,223,371
Georgia	(D)	(D)	(D)	(D)	(D)	(D)
Illinois	(D)	(D)	(D)	(D)	-	29,313
Iowa	(D)	(D)	-	(D)	(D)	(D)
Louisiana	445,168	[a]47,799	122,069	184,049	(D)	373,839
Missouri	-	(S)	(D)	-	(D)	(D)
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	39,851	-	27,782
Oklahoma	(D)	30,656	-	(D)	-	(D)
Tennessee	(D)	(D)	(D)	(D)	-	(D)
Texas	54,140	(D)	(D)	(D)	(D)	153,574
California	(D)	20,841	(D)	(D)	(D)	44,832
All other states	259,345	124,872	123,660	104,221	70,105	670,304
JULY 1986						
United States	1,007,919	446,480	692,070	421,766	425,317	2,694,253
Alabama	(D)	(D)	-	(D)	-	(D)
Florida	(D)	34,423	423,138	(D)	273,277	1,293,209
Georgia	(D)	(D)	(D)	(D)	(D)	(D)
Illinois	(D)	(D)	11,463	(D)	-	42,782
Iowa	(D)	(D)	-	(D)	(D)	(D)
Louisiana	459,040	[a]50,445	120,497	182,418	105,895	367,182
Missouri	-	(S)	(D)	-	(D)	(D)
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	-	31,694
Oklahoma	(D)	35,370	-	(D)	-	(D)
Tennessee	(D)	(D)	(D)	(D)	-	(D)
Texas	(D)	(D)	(D)	-	(D)	158,814
California	(D)	22,693	(D)	(D)	(D)	59,601
All other states	260,077	121,056	100,810	116,945	30,760	596,780

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): [a]20 percent or more of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census.

Table 7. PRODUCTION, INVENTORY, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED INORGANIC FERTILIZER MATERIALS: JULY 1986

(Short tons)

Product code[1]	Product description	Beginning stock July 1986	Quantity produced	Imports for consumption[2]	Ending stock July 1986	Exports of domestic merchandise[3]	Apparent consumption[4]	Percent imports to apparent consumption
28731 30	Anhydrous ammonia, for fertilizer use..	1,359,151	962,023	235,086	1,454,055	26,795	1,075,410	21.9
28731 50	Ammonium nitrate, original solution....	176,394	365,739	22,024	183,239	12,004	368,914	6.0
28731 56 28731 58	Ammonium sulfate.....	204,753	160,171	16,199	172,820	135,995	72,308	22.4
28731 65 28731 66 28731 67	Nitrogen solutions.....	482,175	184,521	12,892	504,412	1,019	174,157	7.4
28732 --	Urea.....	323,602	421,766	157,732	376,233	83,899	442,968	35.6
28741 81 28741 85	Phosphoric acid.....	258,163	692,070	171	236,472	(D)	(D)	(D)
28742 15	Normal and enriched superphosphates[5]...	31,028	28,040	-	37,934	1,194	19,940	-
28742 41	Concentrated superphosphates[5].....	205,356	149,566	-	202,500	73,388	79,034	-
28742 52	Diammonium phosphates[5].....	444,725	669,809	359	371,704	361,654	381,535	(Z)
28742 51 28742 55 28742 61	Monoammonium phosphates, other ammonium phosphates, and other phosphatic fertilizer materials[5].....	132,055	106,561	6,231	151,269	24,655	68,923	9.0
28193 00	Sulfuric acid.....	786,788	2,899,381	67,718	705,231	3,313	3,045,343	2.2

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (Z) Less than one-half of 1 percent.

[1] For comparison of Standard Industrial Classification codes, Schedule B export numbers, and TSUSA import numbers, see table 8 in the January 1986 report, M28B(86)-1, issued March 1986.

[2] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.

[3] Source: Bureau of the Census report EM 546, U.S. Exports.

[4] Apparent consumption represents new domestic supply and is derived by subtracting exports from the total of manufacturers' production plus imports, and adjusting for changes in stocks.

[5] Gross weight.

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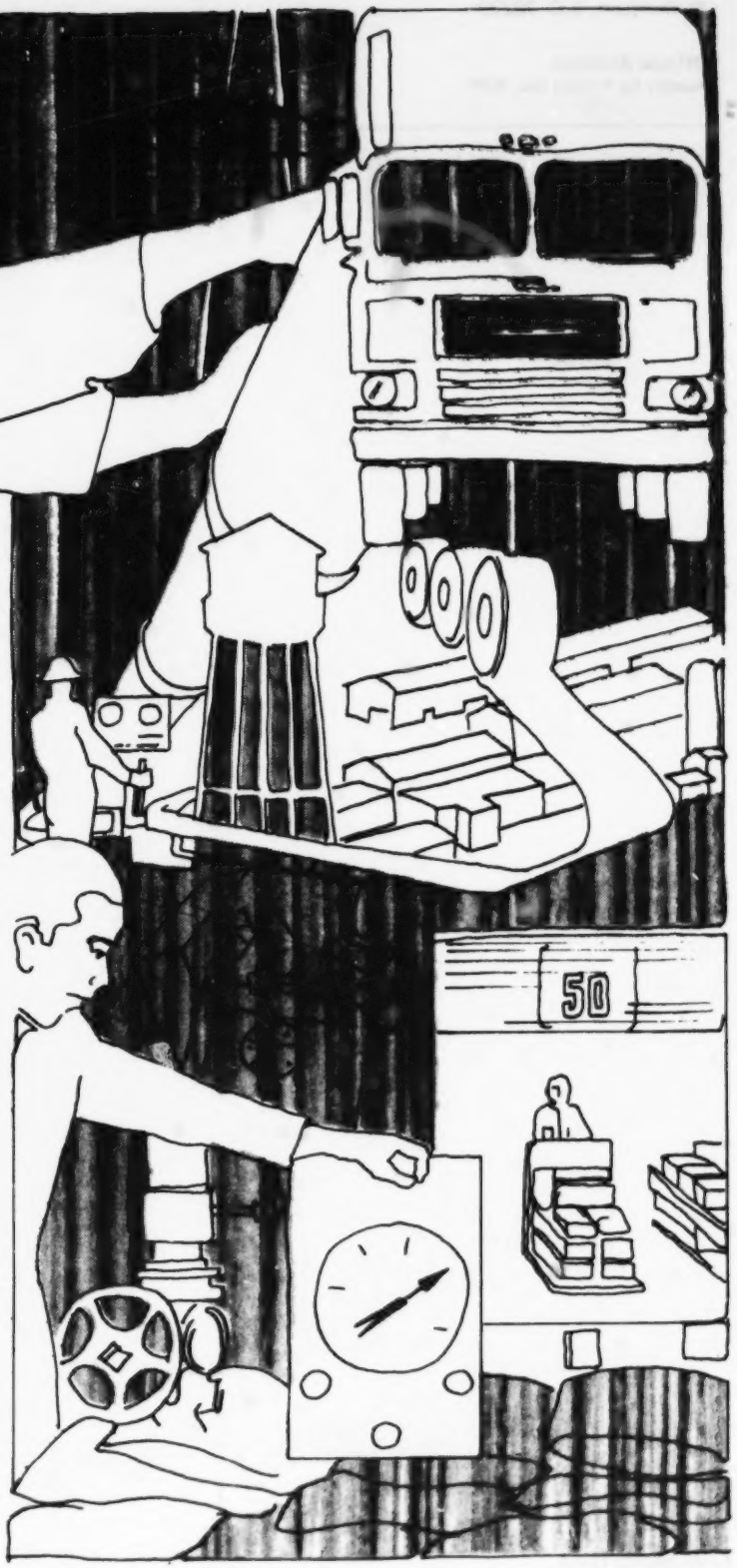

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M28B(86)-9
Issued November 1986

The statistics in this report are based on a survey of producers of sulfuric acid, inorganic fertilizer chemicals, and phosphatic fertilizer material. The statistics represent total production and stocks of U.S. manufacturers of nitric acid, sulfuric acid, ammonia, and phosphatic fertilizer materials. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report, M28B(86)-1, issued March 1986.

This report is available electronically in CENDATA, the Bureau's online information service through a commercial vendor. The electronic version of this report will be available approximately one week earlier than the printed report. The CENDATA report for October 1986 will be released on or about December 12, 1986. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF PRINCIPAL INORGANIC FERTILIZERS: 1984 TO 1986

(1,000 short tons)

Month and year	Ammonia, synthetic anhydrous (28731 31) (100%)	Ammonium nitrate original solution (28731 50)	Ammonium sulfate (28731 61 162)	Urea (28732 15) (100%)	Nitric acid (28731 12) (100%)	Phosphoric acid (28741 81 185) (100% P_2O_5)	Sulfuric acid, gross (28193 00) (100%)	Phosphatic fertilizer materials (28742 00) (100% P_2O_5)
1986								
September	1,109	422	173	485	492	820	3,253	553
August	1,097	377	157	473	452	706	2,877	489
July	1,008	366	160	422	446	692	2,899	425
Fertilizer year (July 1985-June 1986)	14,876	6,272	2,075	6,085	7,295	9,428	37,238	5,852
June	1,119	448	180	489	528	721	2,914	419
May	1,255	494	192	606	624	778	3,106	462
April	1,266	529	166	602	638	823	3,212	511
March	1,254	613	193	546	691	842	3,252	489
February	1,180	521	169	522	584	666	2,736	403
January	1,237	481	172	495	568	579	2,608	360
1985								
Total	16,201	6,906	2,049	6,356	7,778	10,492	39,615	6,986
December	1,256	485	162	439	546	735	2,963	421
November	1,198	544	154	456	638	799	3,094	511
October	1,327	561	185	534	650	922	3,409	542
September	1,241	532	165	453	621	919	3,375	565
August	1,231	508	162	448	594	802	3,248	557
July	1,312	556	175	495	613	842	3,321	612
Fertilizer year (July 1984-June 1985)	16,959	7,179	2,076	7,489	7,867	11,341	41,197	7,898
June	1,407	607	159	597	682	847	3,324	594
May	1,460	665	195	646	720	914	3,350	648
April	1,463	628	172	623	698	968	3,540	651
March	1,485	644	186	672	708	996	3,553	664
February	1,359	552	163	586	627	860	3,127	593
January	1,462	624	171	607	681	888	3,311	628
1984								
Total	16,692	7,146	2,067	7,433	7,726	11,370	41,802	8,020
December	1,543	614	169	682	855	1,001	3,590	649
November	1,482	589	177	672	635	1,002	3,364	681
October	1,414	602	189	717	628	1,019	3,601	702
September	1,330	562	178	621	623	980	3,445	704

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Gisela B. Hoffman, (301) 763-7807.

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Table 2. PRIMARY PRODUCTION AND STOCKS OF NITROGENOUS FERTILIZER MATERIALS

(Short tons)

Product code	Chemical and basis	September 1986		August 1986		September 1985	
		Quantity produced	Stocks held by producing companies[1]	Quantity produced	Stocks held by producing companies[1]	Quantity produced	Stocks held by producing companies[1]
	Ammonia:						
28731 31	Synthetic, anhydrous (100%)	1,108,564	1,590,466	1,097,432	1,489,207	1,240,912	1,472,271
28731 30	Fertilizer use	985,875	1,539,970	999,892	1,443,382	1,141,526	1,428,182
28731 32	Other uses	122,689	50,496	97,540	45,825	99,386	44,089
	Ammonium nitrate (100%):						
28731 50	Original solution[1]	a421,846	a157,029	a377,198	154,837	a532,059	a216,563
	Fertilizer use:						
28731 52	Solution produced for sale as such for direct application	a41,570	50,832	39,291	40,130	38,225	67,812
28731 54	Solution produced for consumption in the manufacture of nitrogen solutions or other fertilizer materials	a112,319	22,285	a111,949	21,491	187,943	24,163
28731 51	Solid	115,562	107,215	a108,548	109,060	a158,400	157,625
28731 53	Other uses[2]	129,979	(S)	a122,446	(S)	a104,291	a24,092
28731 57	Ammonium sulfate(100%)[3]	172,777	141,762	156,926	164,560	184,823	243,581
28731 56	Synthetic	(D)	14,799	(D)	15,695	(D)	24,439
28731 58	Byproduct, other than coke oven	(D)	126,963	(D)	148,865	(D)	219,142
	Nitrogen solutions, including mixtures (100% N)	a193,173	4598,510	a184,579	4578,104	228,018	4587,740
28731 65	Solutions containing ammonia	4(S)	139,969	4(S)	135,918	4(S)	128,562
28731 66	Ammonium nitrate/urea solutions	a152,880	458,541	a152,226	442,186	190,686	439,178
28731 67	All other	(4)	(4)	(4)	(4)	(4)	(4)
28731 12	Nitric acid (100%)[5]	491,580	(X)	451,501	(X)	620,830	(X)
28732 --	Urea (100%)	484,904	428,771	472,505	437,168	432,938	480,989
	For fertilizer use:						
28732 16	Solutions produced as intermediate in nitrogen solutions	a158,477	370	a136,389	299	171,627	(S)
28732 18	Solid	298,493	418,948	311,159	436,869	263,315	471,519
	Other uses:						
28732 21	Feed (solid and solution)	6,307	(D)	6,965	(D)	(D)	(D)
28732 22	All other (solid and solution)	21,627	(D)	17,992	(D)	(D)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): a20 percent or more of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census. (X) Not applicable.

[1] Stocks held by producing companies include amounts held at their nonproducing locations.
[2] Production represents total amount of ammonium nitrate produced including amounts used for fertilizer, explosive, and other uses, and amounts consumed in manufacturing other products, such as nitrogen solutions. Stocks represent total stocks held by producing companies, including stock of original solution and amounts (liquid and solid) reported as fertilizer, explosives, or other uses.
[3] Excludes coke oven byproduct ammonium sulfate.
[4] "All other nitrogen solutions" is combined with "Solutions containing ammonia," to avoid disclosing figures for individual companies.
[5] Includes data for Government-owned, contractor-operated plants.

Table 3. PRIMARY PRODUCTION, SHIPMENTS, AND STOCKS OF PHOSPHORIC ACID

(Short tons)

Product code	Chemical and basis	September 1986			August 1986			September 1985		
		Quantity produced	Quantity shipped	Stocks held by producing companies	Quantity produced	Quantity shipped	Stocks held by producing companies	Quantity produced	Quantity shipped	Stocks held by producing companies
	Phosphoric acid (100% phosphoric oxide)	819,906	374,411	239,488	705,754	247,083	237,456	918,598	449,612	288,541
28741 81	Thermal	50,917	15,078	12,694	49,454	13,598	12,941	51,847	17,835	16,149
28741 85	Wet	768,989	a359,333	226,794	656,300	a233,485	224,515	866,751	431,777	272,392
	By use:									
28741 86	Fertilizer	727,520	(X)	(D)	622,612	(X)	(D)	834,601	(X)	(D)
28741 87	Feed and other	41,469	(X)	(D)	33,688	(X)	(D)	32,150	(X)	(D)
	By grade:									
28741 88	Ortho (less than 65% P_2O_5)	644,744	(X)	(D)	545,044	(X)	(D)	709,404	(X)	(D)
28741 89	Super (more than 65% P_2O_5)	(S)	(X)	(D)	(S)	(X)	(D)	155,804	(X)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): a20 percent or more of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies but are included in higher level. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census. (X) Not applicable.

Table 4. PRODUCTION, SHIPMENTS, CONSUMPTION, AND STOCKS OF SUPERPHOSPHATE AND OTHER PHOSPHATIC FERTILIZER MATERIALS, BY TYPE

(Short tons)

Product code	Product description	Basis	September 1986	August 1986	September 1985
28742 --	Superphosphate and other phosphatic fertilizer materials:				
	Production:				
	Gross weight	.....	1,207,062	1,083,516	1,235,472
	Phosphoric oxide content	100% P_2O_5	552,565	488,826	565,264
	Shipments, including interplant transfers	..do	618,638	535,386	569,574
	Used in plants (captive)	..do	20,479	18,814	2,732
	Stocks on hand, end of month	Gross wt	508,822	648,063	797,820
28742 15	Normal and enriched:				
	Production:				
	Gross weight	.....	41,250	35,449	[e]16,132
	Phosphoric oxide content	100% P_2O_5	10,591	8,956	[e]3,572
	Shipments, including interplant transfers	..do	955	[r]1,779	[e]1,799
	Used in plants (captive)	..do	12,000	12,577	[e]2,686
	Stocks on hand, end of month	Gross wt	26,786	[r]31,067	[e]39,876
28742 41	Concentrated:				
	Production:				
	Gross weight	.....	230,009	205,526	247,529
	Phosphoric oxide content	100% P_2O_5	107,125	98,608	114,441
	Shipments, including interplant transfers	..do	116,855	111,032	121,193
	Used in plants (captive)	..do	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt	103,421	151,869	149,731
	Ammonium phosphate:				
28742 51	Monoammonium phosphates:				
	Production:				
	Gross weight	.....	102,514	73,093	149,418
	Nitrogen content	100% N	10,942	8,049	14,759
	Phosphoric oxide content	100% P_2O_5	52,592	37,720	77,093
	Shipments, including interplant transfers	..do	58,159	43,747	70,401
	Used in plants (captive)	..do	-	-	(D)
	Stocks on hand, end of month	Gross wt	45,534	56,157	103,555
28742 52	Diammonium phosphates:				
	Production:				
	Gross weight	.....	794,295	714,738	776,661
	Nitrogen content	100% N	139,766	125,842	141,130
	Phosphoric oxide content	100% P_2O_5	369,320	329,870	358,793
	Shipments, including interplant transfers	..do	427,934	353,521	384,943
	Used in plants (captive)	..do	(D)	-	-
	Stocks on hand, end of month	Gross wt	301,563	374,989	438,307
28742 55	Other ammonium phosphates:				
	Production:				
	Gross weight	.....	[1](D)	[1]54,710	[1]45,732
	Nitrogen content	100% N	[1](D)	[1]7,813	[1]6,047
	Phosphoric oxide content	100% P_2O_5	[1](D)	[1]13,672	[1]11,365
	Shipments, including interplant transfers	..do	[1](D)	[1]25,307	[1]11,238
	Used in plants (captive)	..do	[1](D)	[1](D)	[1](D)
	Stocks on hand, end of month	Gross wt	31,518	[1]33,981	[1]60,151
28742 61	Other phosphatic fertilizer materials:				
	Production:				
	Gross weight	.....	(1)	(1)	(1)
	Nitrogen content	100% N	(1)	(1)	(1)
	Phosphoric oxide content	100% P_2O_5	(1)	(1)	(1)
	Shipments, including interplant transfers	..do	(1)	(1)	(1)
	Used in plants (captive)	..do	(1)	(1)	(1)
	Stocks on hand, end of month	Gross wt	(1)	(1)	(1)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28S(86)-1, issued March 1986, for a discussion of estimation of missing reports): [e]20 percent or more of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. N = Nitrogen content. P_2O_5 = Phosphoric oxide content. [r]Revised by 5 percent or more from previously published figures.

[1]Other ammonium phosphates is combined with other phosphatic fertilizer materials to avoid disclosure of figures for individual companies.

Table 5. PRIMARY PRODUCTION AND STOCKS OF SULFURIC ACID

(Short tons)

Product code	Chemical and basis	September 1986		August 1986		September 1985	
		Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants
	Sulfuric acid (100%):[1]						
	Total gross	3,253,047	708,207	2,877,126	731,812	3,375,157	827,923
28193 10	Oleum grades	137,348	(X)	131,602	(X)	128,013	(X)
28193 31	Other than oleum grades	3,115,699		2,745,524		3,247,144	
28193 51	Sulfuric acid produced from decomposition of alkylation acid, other spent acids and sludge acid and included in above production figures	186,369	60,302	195,588	51,786	(D)	57,712
28193 71	Spent acid fortified in contact units and included in above production figures	18,296	8,984	18,798	7,107	(D)	9,250
	Total new acid[2]	3,048,458	(X)	2,662,740	(X)	3,195,434	(X)

(D) Data withheld to avoid disclosing figures for individual companies. (X) Not applicable.

[1] Includes data for Government-owned, contractor-operated plants.
[2] Total new acid equals total gross acid, minus fortified spent acid and sulfuric acid produced from the decomposition of alkylation acid, other spent acids and sludge acid.

Table 6. PRODUCTION OF SELECTED INORGANIC FERTILIZER MATERIALS, BY STATE

(Short tons)

State	Ammonia (100%)	Nitric acid (100%)	Phosphoric acid (100% P_2O_5)	Urea (100%)	Superphosphates and other phosphatic fertilizer materials (100% P_2O_5)	New sulfuric acid (100%)
SEPTEMBER 1986						
United States	1,108,564	491,580	819,906	484,904	552,565	3,048,458
Alabama	(D)	(D)	-	(D)	(D)	(D)
Florida	(D)	50,120	451,681	(D)	307,596	1,372,302
Georgia	(D)	(D)	(D)	(D)	(D)	(D)
Illinois	(D)	(D)	14,684	(D)	(D)	51,614
Iowa	32,185	(D)	-	(D)	-	(D)
Louisiana	414,246	[a]55,161	165,934	186,242	(D)	474,029
Missouri	-	[a]38,632	(D)	-	(D)	(D)
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	54,482	(D)	23,829
Oklahoma	(D)	34,408	-	56,777	-	(D)
Tennessee	(D)	(D)	(D)	(D)	-	(D)
Texas	94,624	(D)	(D)	(D)	(D)	133,634
California	(D)	28,474	(D)	(D)	(D)	60,469
All other states	279,571	131,400	142,467	86,562	95,681	779,301
AUGUST 1986						
United States	1,097,432	451,501	705,754	472,505	488,826	2,662,740
Alabama	(D)	(D)	-	(D)	-	(D)
Florida	(D)	(D)	411,889	(D)	279,353	1,223,371
Georgia	(D)	(D)	(D)	(D)	(D)	(D)
Illinois	(D)	(D)	(D)	(D)	-	29,313
Iowa	(D)	(D)	-	(D)	(D)	(D)
Louisiana	445,168	[a]47,799	122,069	184,049	(D)	373,839
Missouri	-	(S)	(D)	-	(D)	(D)
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	-	27,782
Oklahoma	(D)	30,656	-	(D)	-	(D)
Tennessee	(D)	(D)	(D)	(D)	-	(D)
Texas	54,140	(D)	(D)	(D)	(D)	153,574
California	(D)	20,841	(D)	(D)	(D)	44,832
All other states	259,365	124,872	123,660	104,221	70,105	670,304

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): [a]20 percent or more of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census.

Table 7. PRODUCTION, INVENTORY, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED INORGANIC FERTILIZER MATERIALS: AUGUST 1986

(Short tons)

Product code[1]	Product description	Beginning stock August 1986	Quantity produced	Imports for consumption[2]	Ending stock August 1986	Exports of domestic merchandise[3]	Apparent consumption[4]	Percent imports to apparent consumption
28731 30	Anhydrous ammonia, for fertilizer use..	1,454,055	999,892	166,915	1,443,382	82,459	1,095,021	15.2
28731 50	Ammonium nitrate, original solution....	183,239	377,198	30,250	134,837	2,893	432,957	7.0
28731 56, 28731 58	Ammonium sulfate.....	172,820	156,926	28,874	164,560	116,746	77,314	37.3
28731 65, 28731 66, 28731 67	Nitrogen solutions.....	504,412	184,579	33,214	578,104	5,148	138,953	23.9
28732 --	Urea.....	376,233	472,505	342,275	437,168	38,173	715,672	47.8
28741 81, 28741 85	Phosphoric acid.....	236,672	705,756	3,392	237,456	(D)	(D)	(D)
28742 15	Normal and enriched superphosphates[5]...	37,934	35,449	-	31,067	-	42,316	-
28742 41	Concentrated superphosphates[5].....	202,500	205,526	-	151,869	241,395	14,562	-
28742 52	Diammonium phosphates[5].....	371,704	714,738	157	374,989	645,247	66,363	(Z)
28742 51, 28742 55, 28742 61	Monoammonium phosphates, other ammonium phosphates, and other phosphatic fertilizer materials[5].....	151,269	127,803	1,899	90,138	103,561	87,272	2.2
28193 00	Sulfuric acid.....	705,231	2,877,126	53,569	731,812	14,134	2,889,980	1.9

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (Z) Less than one-half of 1 percent.

[1] For comparison of Standard Industrial Classification codes, Schedule B export numbers, and TSUSA import numbers, see table 8 in the January 1986 report, M28B(86)-1, issued March 1986.

[2] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.

[3] Source: Bureau of the Census report EM 546, U.S. Exports.

[4] Apparent consumption represents new domestic supply and is derived by subtracting exports from the total of manufacturers' production plus imports, and adjusting for changes in stocks.

[5] Gross weight.

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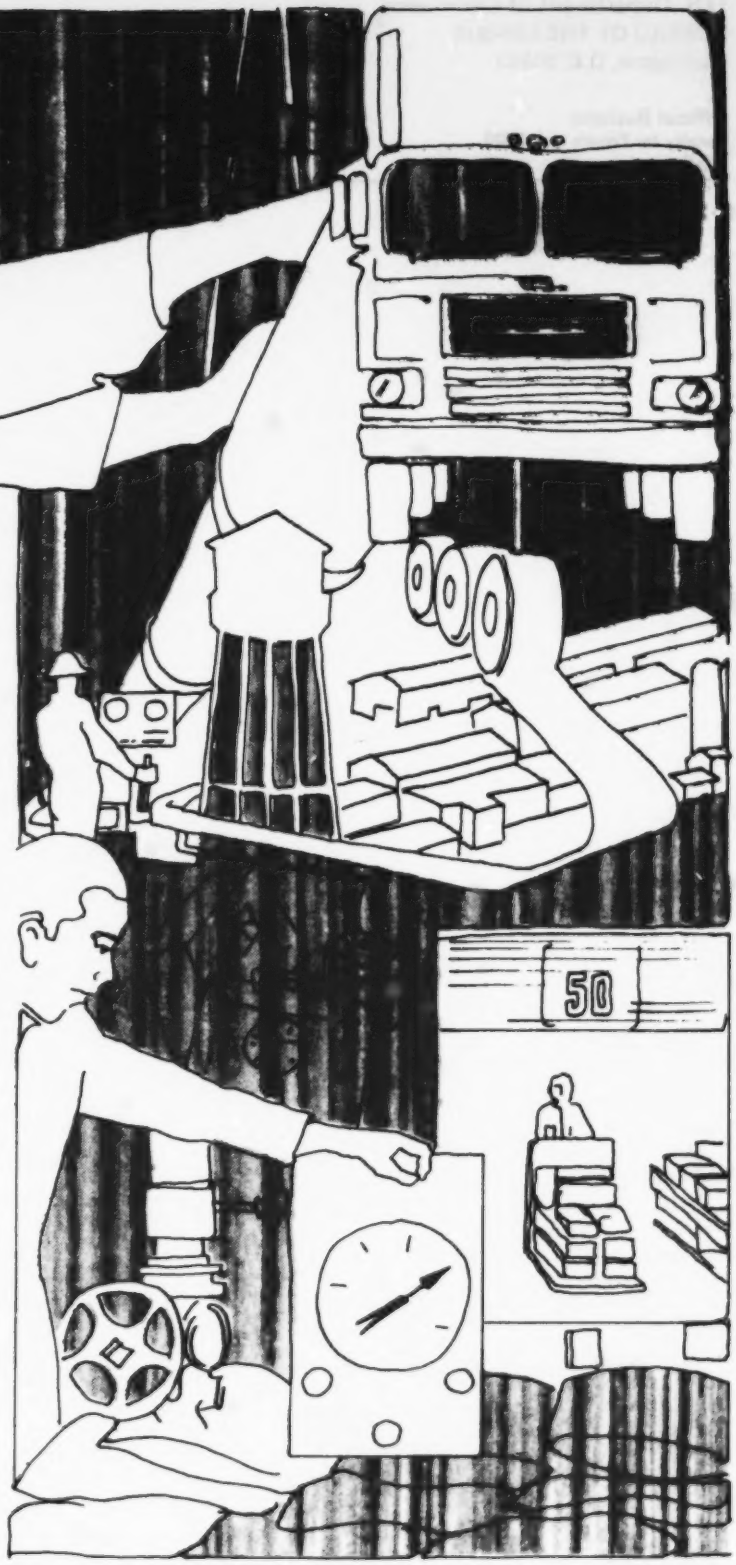

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OCTOBER 1986

M28B(86)-10
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The statistics in this report are based on a survey of producers of sulfuric acid, inorganic fertilizer chemicals, and phosphatic fertilizer material. The statistics represent total production and stocks of U.S. manufacturers of nitric acid, sulfuric acid, ammonia, and phosphatic fertilizer materials. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report, M28B(86)-1, issued March 1986.

This report is available electronically in CENDATA, the Bureau's online information service through a commercial vendor. The electronic version of this report will be available approximately one week earlier than the printed report. The CENDATA report for November 1986 will be released on or about January 6, 1987. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF PRINCIPAL INORGANIC FERTILIZERS: 1984 TO 1986

(1,000 short tons)

Month and year	Ammonia, synthetic anhydrous (28731 31) (100%)	Ammonium nitrate original solution (28731 50)	Ammonium sulfate (28731 61) (N)	Urea (28732 15) (100%)	Nitric acid (28731 12) (100%)	Phosphoric acid (28761 01) (P2O5) (100% P2O5)	Sulfuric acid, gross (28191 00) (100%)	Phosphatic fertilizer materials (28762 00) (100% P2O5)
1986								
October	1,162	456	175	888	933	906	3,676	588
September	1,109	422	173	885	893	836	3,253	534
August	1,097	377	167	873	843	706	3,022	488
July	1,008	366	160	844	856	683	2,898	435
Fertilizer year (July 1985-June 1986)	15,398	6,210	2,095	8,158	9,099	8,440	35,355	5,151
June	1,119	448	182	888	938	721	3,015	476
May	1,255	494	193	896	1,034	776	3,198	562
April	1,266	529	186	893	1,038	843	3,313	577
March	1,254	613	183	888	1,061	883	3,332	588
February	1,180	521	168	836	984	884	3,158	501
January	1,237	481	179	883	988	974	3,408	986
1985								
Total	17,319	6,776	2,055	8,678	9,595	10,518	39,651	5,650
December	1,342	476	198	938	917	937	3,983	661
November	1,281	533	157	871	908	901	3,116	538
October	1,418	550	188	930	913	924	3,532	591
September	1,327	522	168	838	988	921	3,399	619
August	1,316	498	193	955	969	905	3,971	610
July	1,403	545	179	997	980	954	3,543	670
Fertilizer year (July 1984-June 1985)	17,560	7,120	2,098	9,367	9,885	11,369	41,195	6,071
June	1,504	596	183	911	946	959	3,367	649
May	1,560	653	199	946	982	916	3,373	710
April	1,564	616	175	927	961	971	3,565	714
March	1,588	632	190	984	970	999	3,577	731
February	1,453	542	188	593	596	852	3,035	651
January	1,563	613	175	927	945	990	3,210	690
1984								
Total	16,702	7,165	2,067	9,432	9,798	11,396	41,893	8,032
December	1,544	616	189	982	981	1,003	3,362	650
November	1,483	591	177	972	941	1,004	3,374	682
October	1,414	603	189	917	934	1,022	3,612	703

Note: Inorganic fertilizers figures for 1984 and 1985 have been revised as the result of the reconciliation between this report and the 1985 Current Industrial Report, MA28B, Inorganic Fertilizer Materials and Related Products, issued September 1986.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Gisela B. Hoffman, (301) 763-7807.

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Table 2: PRIMARY PRODUCTION AND STOCKS OF NITROGENOUS FERTILIZER MATERIALS

(Short tons)

Product code	Chemical and basis	October 1986		September 1986		October 1985	
		Quantity produced	Stocks held by producing companies[1]	Quantity produced	Stocks held by producing companies[1]	Quantity produced	Stocks held by producing companies[1]
	Ammonia:						
28731 31	Synthetic, anhydrous (100%)	1,191,728	1,865,380	1,109,384	1,580,466	1,328,697	1,764,360
28731 36	Fertilizer use	1,045,963	1,619,977	985,875	1,539,970	1,245,513	1,723,293
28731 32	Other uses	105,766	45,403	122,689	30,496	81,184	41,067
	Ammonium nitrate (100%):						
28731 50	Original solution[2]	[3]436,168	[4]193,729	[4]421,846	[3]157,029	560,871	[3]252,280
	Fertilizer use:						
28731 52	Solution produced for sale as such for direct application	41,934	58,522	41,570	50,832	40,733	59,575
28731 54	Solution produced for consumption in the manufacture of nitrogen solutions or other fertilizer materials	[3]111,120	32,084	[3]112,319	22,285	183,872	23,717
28731 51	Solid	152,267	155,245	115,562	107,215	184,698	209,151
28731 53	Other uses[2]	[3]151,458	(S)	[3]124,888	(S)	[3]106,995	429,243
28731 57	Ammonium sulfate(100%)[3]	172,037	126,260	172,777	141,762	185,090	373,467
28731 56	Synthetic	(D)	12,779	(D)	14,799	(D)	36,548
28731 58	Byproduct, other than coke oven	(D)	113,481	(D)	126,963	(D)	236,919
	Nitrogen solutions, including mixtures (100% N)	[3]176,640	[4]578,062	[3]193,173	[4]598,510	221,703	627,414
28731 65	Solutions containing ammonia	[4](S)	148,131	[4](S)	139,969	442,445	158,078
28731 66	Ammonium nitrate/urea solutions	[3]136,736	429,931	[3]152,880	458,541	179,258	469,336
28731 67	All other	[4]	[4]	[4]	[4]	[4]	[4]
28731 12	Nitric acid (100%)[5]	521,650	(X)	491,580	(X)	650,002	(X)
28732 --	Urea (100%)	445,696	508,711	484,904	428,771	534,123	640,600
	For fertilizer use:						
28732 16	Solutions produced as intermediate in nitrogen solutions	[3]139,523	899	[3]158,477	370	184,258	(S)
28732 18	Solid	276,548	495,226	298,493	418,948	325,825	625,022
	Other uses:						
28732 21	Feed (solid and solution)	5,506	(D)	6,307	(D)	8,911	(D)
28732 22	All other (solid and solution)	24,119	(D)	21,627	(D)	15,129	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): [3]20 percent or more of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census. (X) Not applicable.

[1]Stocks held by producing companies include amounts held at their nonproducing locations.

[2]Production represents total amount of ammonium nitrate produced including amounts used for fertilizer, explosive, and other uses, and amounts consumed in manufacturing other products, such as nitrogen solutions. Stocks represent total stocks held by producing companies, including stock of original solution and amounts (liquid and solid) reported as fertilizer, explosives, or other uses.

[3]Excludes coke oven byproduct ammonium sulfate.

[4]"All other nitrogen solutions" is combined with "Solutions containing ammonia," to avoid disclosing figures for individual companies.

[5]Includes data for Government-owned, contractor-operated plants.

Table 3: PRIMARY PRODUCTION, SHIPMENTS, AND STOCKS OF PHOSPHORIC ACID

(Short tons)

Product code	Chemical and basis	October 1986			September 1986			October 1985		
		Quantity produced	Quantity shipped	Stocks held by producing companies	Quantity produced	Quantity shipped	Stocks held by producing companies	Quantity produced	Quantity shipped	Stocks held by producing companies
	Phosphoric acid (100% phosphoric oxide)	998,438	885,877	841,540	819,909	774,411	730,488	921,517	808,730	788,805
28741 81	Thermal	53,086	16,032	15,072	50,917	15,078	12,694	53,000	21,907	17,097
28741 83	Wet	853,372	[1]372,845	748,270	768,992	[1]359,333	728,794	868,517	486,829	749,728
	By use:									
28741 86	Fertilizer	810,667	(X)	(D)	727,320	(X)	(D)	829,953	(X)	(D)
28741 87	Feed and other	42,745	(X)	(D)	41,469	(X)	(D)	36,564	(X)	(D)
	By grade:									
28741 88	Ortho (less than 85% P_2O_5)	721,441	(X)	(D)	644,744	(X)	(D)	718,636	(X)	220,861
28741 89	Super (more than 85% P_2O_5)	(S)	(X)	(D)	(S)	(X)	(D)	146,436	(X)	28,865

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): [3]20 percent or more of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies but are included in higher level. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census. (X) Not applicable.

Table 4: PRODUCTION, SHIPMENTS, CONSUMPTION, AND STOCKS OF SUPERPHOSPHATE AND OTHER PHOSPHATIC FERTILIZER MATERIALS, BY TYPE

(Short tons)

Product code	Product description	Basis	October 1988	September 1988	October 1987
28742 00	Superphosphate and other phosphatic fertilizer materials:				
	Production:				
	Gross weight		1,288,924	1,407,084	1,193,763
	Phosphoric oxide content	100% P_2O_5	587,778	642,345	547,816
	Shipments, including interplant transfers	do	581,137	616,438	566,486
	Used in plants (captive)	do	36,817	40,176	6,496
	Stocks on hand, end of month	Gross wt	658,302	708,844	705,041
28742 13	Normal and enriched:				
	Production:				
	Gross weight		47,814	(D)	30,919
	Phosphoric oxide content	100% P_2O_5	(D)	(D)	7,560
	Shipments, including interplant transfers	do	(D)	(D)	92,745
	Used in plants (captive)	do	(D)	12,000	96,439
	Stocks on hand, end of month	Gross wt	24,033	26,786	[6]42,232
28742 41	Concentrated:				
	Production:				
	Gross weight		244,465	230,009	252,388
	Phosphoric oxide content	100% P_2O_5	114,244	107,125	116,725
	Shipments, including interplant transfers	do	101,894	116,855	103,959
	Used in plants (captive)	do	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt	105,329	103,421	106,721
	Ammonium phosphate:				
28742 51	Monoammonium phosphates:				
	Production:				
	Gross weight		113,348	102,514	109,726
	Nitrogen content	100% N	12,703	10,942	11,846
	Phosphoric oxide content	100% P_2O_5	58,734	52,592	57,049
	Shipments, including interplant transfers	do	47,724	58,159	66,320
	Used in plants (captive)	do	-	-	(D)
	Stocks on hand, end of month	Gross wt	67,505	45,534	89,163
28742 52	Diammonium phosphates:				
	Production:				
	Gross weight		838,293	794,295	751,444
	Nitrogen content	100% N	155,129	139,766	136,259
	Phosphoric oxide content	100% P_2O_5	389,896	369,320	347,269
	Shipments, including interplant transfers	do	396,223	427,934	357,899
	Used in plants (captive)	do	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt	423,916	301,563	419,597
28742 55	Other ammonium phosphates:				
	Production:				
	Gross weight		[1]65,004	[1](D)	[1]64,766
	Nitrogen content	100% N	[1]6,258	[1](D)	[1]6,022
	Phosphoric oxide content	100% P_2O_5	[1]12,603	[1](D)	[1]13,013
	Shipments, including interplant transfers	do	[1]12,999	[1](D)	[1]9,363
	Used in plants (captive)	do	(D)	[1](D)	(D)
	Stocks on hand, end of month	Gross wt	[1]32,719	[1]31,516	[1]61,548
28742 61	Other phosphatic fertilizer materials:				
	Production:				
	Gross weight		(1)	(1)	(1)
	Nitrogen content	100% N	(1)	(1)	(1)
	Phosphoric oxide content	100% P_2O_5	(1)	(1)	(1)
	Shipments, including interplant transfers	do	(1)	(1)	(1)
	Used in plants (captive)	do	(1)	(1)	(1)
	Stocks on hand, end of month	Gross wt	(1)	(1)	(1)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1988 report, M28A(88)-1, issued March 1988, for a discussion of estimation of missing reports): [2]20 percent or more of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. N = Nitrogen content. P_2O_5 = Phosphoric oxide content.

[1] "Other ammonium phosphates" is combined with "Other phosphatic fertilizer materials" to avoid disclosure of figures for individual companies.

Table 5. PRIMARY PRODUCTION AND STOCKS OF SULFURIC ACID

(Short tons)

Product code	Chemical and basis	October 1986		September 1986		October 1985	
		Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants
	Sulfuric acid (100%):[1]						
	Total gross	3,673,748	700,892	3,233,067	708,207	3,434,400	828,21[illegible]
28193 10	Oleum grades	150,000	(X)	117,166	(X)	138,000	(X)
28193 51	Other than oleum grades	3,523,748		3,115,898		3,296,400	
28193 51	Sulfuric acid produced from decomposition of alkylation acid, other spent acids and sludge acid and included in above production figures	199,016	44,661	198,293	40,302	117,800	69,77[illegible]
28193 71	Spent acid fortified in contact units and included in above production figures	14,332	7,330	14,296	8,984	18,400	7,23[illegible]
	Total new acid[2]	3,260,380	(X)	3,048,458	(X)	3,296,200	(X)

Note: Sulfuric acid data for October 1985 have been revised as the result of the reconciliation between this report and the 1985 annual Current Industrial Report, M28B, Inorganic Fertilizer Materials and Related Products, issued September 1986.

(D) Data withheld to avoid disclosing figures for individual companies. (X) Not applicable.

[1] Includes data for Government-owned, contractor-operated plants.

[2] Total new acid equals total gross acid, minus fortified spent acid and sulfuric acid produced from the decomposition of alkylation acid, other spent acids and sludge acid.

Table 6. PRODUCTION OF SELECTED INORGANIC FERTILIZER MATERIALS, BY STATE

(Short tons)

State	Ammonia (100% N)	Nitric acid (100%)	Phosphoric acid (100% P_2O_5)	Urea (100% N)	Superphosphates and other phosphatic fertilizer materials (100% P_2O_5)	New sulfuric acid (100%)
OCTOBER 1986						
United States	1,161,739	121,650	906,458	445,696	587,778	3,260,380
Alabama	(D)	(D)	-	(D)	(D)	(D)
Florida	(D)	65,326	490,382	(D)	306,755	1,522,401
Georgia	(D)	(D)	(D)	(D)	(D)	(D)
Illinois	(D)	(D)	15,633	(D)	(D)	58,400
Iowa	(D)	(D)	-	(D)	-	(D)
Louisiana	484,396	[3]44,944	176,082	301,511	(D)	487,888
Missouri	-	[3]10,350	(D)	(D)	(D)	(D)
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	-	21,864
Oklahoma	(D)	(D)	-	(D)	-	(D)
Tennessee	(D)	(D)	(D)	-	-	(D)
Texas	85,750	(D)	(D)	(D)	(D)	140,126
California	(D)	24,849	6,046	(D)	(D)	67,656
All other states	390,081	144,941	175,088	80,552	111,485	198,845
SEPTEMBER 1986						
United States	1,108,384	491,380	819,906	484,904	532,563	3,048,458
Alabama	(D)	(D)	-	(D)	(D)	(D)
Florida	(D)	30,120	431,681	(D)	309,396	1,370,302
Georgia	(D)	(D)	(D)	(D)	(D)	(D)
Illinois	(D)	(D)	14,684	(D)	(D)	51,814
Iowa	32,185	(D)	-	(D)	-	(D)
Louisiana	414,248	[3]33,161	163,934	186,242	(D)	474,029
Missouri	-	[3]10,632	(D)	-	(D)	(D)
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	54,482	(D)	23,829
Oklahoma	(D)	34,408	-	58,777	-	(D)
Tennessee	(D)	(D)	(D)	(D)	-	(D)
Texas	94,674	(D)	(D)	(D)	(D)	133,634
California	(D)	28,474	(D)	(D)	(D)	60,469
All other states	279,371	131,400	142,467	86,562	95,681	779,301

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): [4]20 percent or more of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

Table 7. PRODUCTION, INVENTORY, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED INORGANIC FERTILIZER MATERIALS: SEPTEMBER 1986

(Short tons)

Product code[1]	Product description	Beginning stock September 1986	Quantity produced	Imports for consumption[2]	Ending stock September 1986	Exports of domestic merchandise[3]	Apparent consumption[4]	Percent imports to apparent consumption
28731 30	Anhydrous ammonia, for fertilizer use..	1,443,382	985,875	191,856	1,539,970	48,778	1,032,365	18.6
28731 50	Ammonium nitrate, original solution....	154,837	421,846	30,689	157,029	21,492	428,851	7.2
28731 56, 28731 58	Ammonium sulfate.....	164,560	172,777	7,710	141,762	139,524	63,761	12.1
28731 65, 28731 66, 28731 67	Nitrogen solutions.....	578,104	193,173	32,438	398,510	4,699	200,506	16.2
28732 --	Urea.....	437,168	484,904	307,864	428,771	70,982	730,183	42.2
28741 81, 28741 85	Phosphoric acid.....	237,456	819,906	1,556	239,488	(D)	(D)	(D)
28742 15	Normal and enriched superphosphates[5]...	31,067	41,250	-	26,786	-	45,531	-
28742 41	Concentrated superphosphates[5].....	151,869	230,009	-	103,421	173,513	104,944	-
28742 52	Diammonium phosphates[5].....	374,989	794,295	166	301,563	693,347	174,540	(Z)
28742 51, 28742 55, 28742 61	Monoammonium phosphates, other ammonium phosphates, and other phosphatic fertilizer materials[5].....	90,138	141,508	9,711	77,052	60,259	104,046	9.3
28193 00	Sulfuric acid.....	731,812	3,253,047	51,672	708,207	4,919	3,323,405	1.6

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (Z) Less than one-half of 1 percent.

[1] For comparison of Standard Industrial Classification codes, Schedule B export numbers, and TSUSA import numbers, see table B in the January 1986 report, M28B(86)-1, issued March 1986.

[2] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.

[3] Source: Bureau of the Census report EM 546, U.S. Exports.

[4] Apparent consumption represents new domestic supply and is derived by subtracting exports from the total of manufacturers' production plus imports, and adjusting for changes in stocks.

[5] Gross weight.

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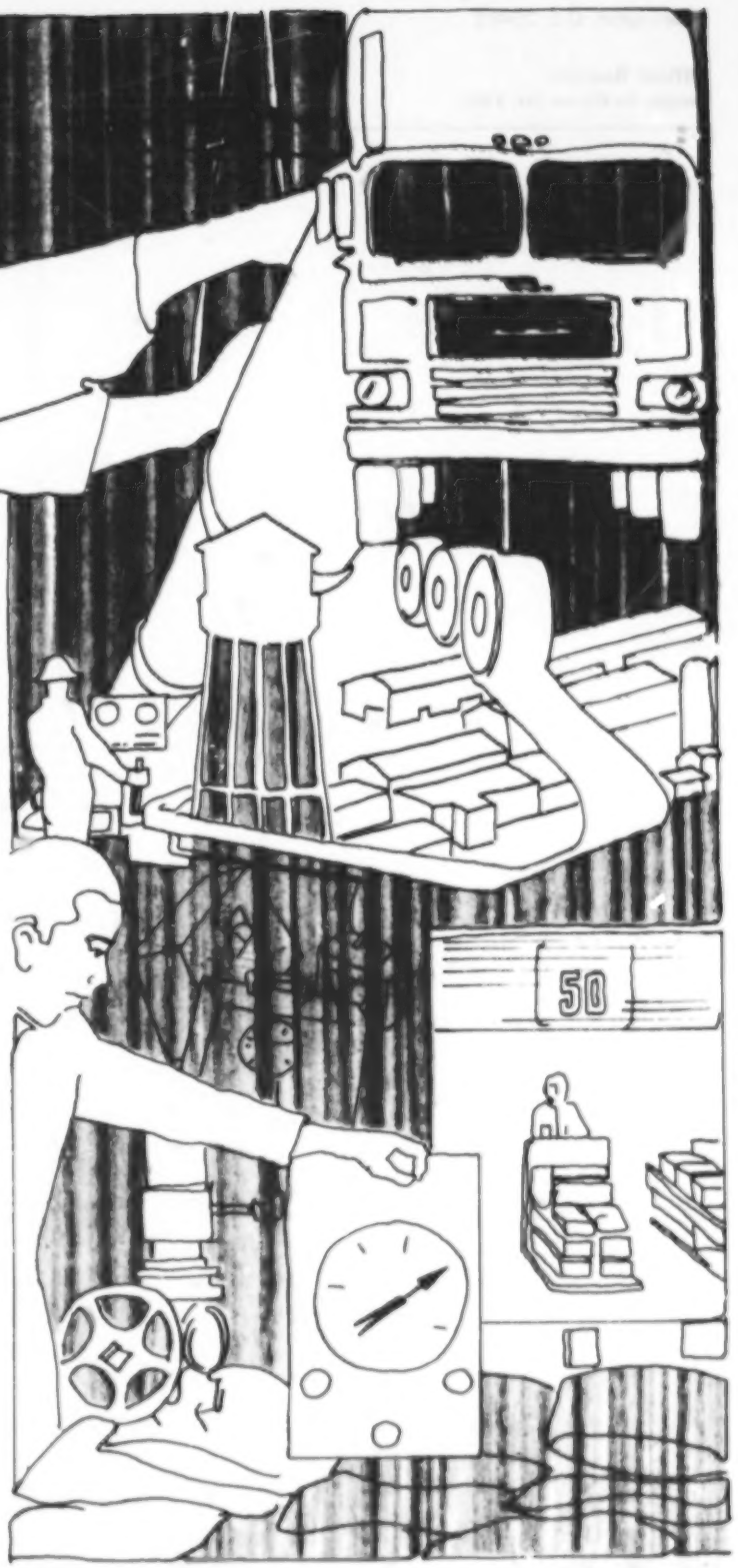

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CURRENT INDUSTRIAL REPORTS

Inorganic Fertilizer Materials and Related Products

NOVEMBER 1986

U.S. Department of Commerce
BUREAU OF THE CENSUS

M28B(86)-11
Issued January 1987

The statistics in this report are based on a survey of producers of sulfuric acid, inorganic fertilizer chemicals, and phosphatic fertilizer material. The statistics represent total production and stocks of U.S. manufacturers of nitric acid, sulfuric acid, ammonia, and phosphatic fertilizer materials. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report, M28B(86)-1, issued March 1986.

MAR 3 1987

This report is available electronically in CENDATA, the Bureau's online information service through a commercial vendor. The electronic version of this report will be available approximately one week earlier than the printed report. The CENDATA report for December 1986 will be released on or about February 3, 1987. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763-4100.

Table 1. SUMMARY OF PRODUCTION OF PRINCIPAL INORGANIC FERTILIZERS: 1984 TO 1986

(1,000 short tons)

Month and year	Ammonia, synthetic anhydrous (28731 31) (100%)	Ammonium nitrate original solution (28731 50)	Ammonium sulfate (28731 61 162)	Urea (28732 15) (100%)	Nitric acid (28731 12) (100%)	Phosphoric acid (28741 81 195) (100% P_2O_5)	Sulfuric acid, gross (28193 00) (100%)	Phosphatic fertilizer materials (28742 00) (100% P_2O_5)
1986								
November	1,100	426	171	430	504	818	3,130	473
October	1,162	456	172	446	522	906	3,461	586
September	1,109	422	173	485	492	820	3,253	553
August	1,097	377	197	473	452	706	2,877	489
July	1,008	366	160	422	446	692	2,899	425
Fertilizer year (July 1985-June 1986)	15,398	6,210	2,096	6,148	7,099	9,440	37,372	6,151
June	1,119	448	180	489	528	721	2,914	419
May	1,255	494	192	606	624	778	3,106	462
April	1,266	529	166	602	638	823	3,212	511
March	1,254	613	193	546	691	842	3,252	489
February	1,180	521	169	522	584	666	2,736	403
January	1,237	481	172	495	568	579	2,608	360
1985								
Total	17,319	6,776	2,093	6,678	7,364	10,518	39,651	7,652
December	1,342	476	166	438	517	737	2,983	481
November	1,281	533	157	471	604	801	3,116	556
October	1,418	550	189	550	615	924	3,432	591
September	1,327	522	168	458	588	921	3,399	619
August	1,316	498	165	454	562	804	3,271	610
July	1,403	543	179	497	580	844	3,343	670
Fertilizer year (July 1984-June 1985)	17,560	7,120	2,098	7,547	7,685	11,367	41,125	8,271
June	1,504	596	163	611	648	849	3,347	649
May	1,560	653	199	646	682	916	3,373	710
April	1,564	616	175	627	661	971	3,565	714
March	1,588	632	190	684	670	999	3,577	731
February	1,453	542	166	595	594	882	3,035	651
January	1,563	613	175	627	645	890	3,210	690
1984								
Total	16,702	7,165	2,067	7,432	7,798	11,394	41,893	8,032
December	1,544	616	169	682	661	1,003	3,562	630
November	1,483	591	177	672	661	1,004	3,374	682

Note: Inorganic fertilizers figures for 1984 and 1985 have been revised as the result of the reconciliation between this report and the 1985 Current Industrial Report, MA28B, Inorganic Fertilizer Materials and Related Products, issued September 1986.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Gisela B. Hoffman, (301) 763-7807.

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Table 2. PRIMARY PRODUCTION AND STOCKS OF NITROGENOUS FERTILIZER MATERIALS

(Short tons)

Product code	Chemical and basis	November 1986		October 1986		November 1985	
		Quantity produced	Stocks held by producing companies[1]	Quantity produced	Stocks held by producing companies[1]	Quantity produced	Stocks held by producing companies[1]
	Ammonia:						
28731 31	Synthetic, anhydrous (100%)	1,100,453	1,765,504	1,161,729	1,665,380	1,198,056	1,934,029
28731 30	Fertilizer use	979,140	1,726,304	1,055,963	1,619,977	1,107,607	1,891,673
28731 32	Other uses	121,313	39,200	105,766	45,403	90,447	42,356
	Ammonium nitrate (100%):						
28731 50	Original solution[1]	[a]425,557	[a]226,466	[a]436,168	[a]193,729	543,773	[a]292,105
	Fertilizer use:						
28731 52	Solution produced for sale as such for direct application	28,318	61,225	41,954	58,522	41,315	57,517
28731 54	Solution produced for consumption in the manufacture of nitrogen solutions or other fertilizer materials	[a]137,383	39,374	[a]111,120	32,084	182,492	23,443
28731 51	Solid	[a]141,862	206,359	[a]152,767	155,265	[a]169,270	258,892
28731 53	Other uses[2]	[a]105,030	(S)	[a]151,658	(S)	[a]129,558	[a]89,184
28731 57	Ammonium sulfate (100%)[3]	170,616	153,208	172,037	126,260	154,107	271,145
28731 56	Synthetic	(D)	13,228	(D)	12,779	(D)	36,893
28731 58	Byproduct, other than coke oven	(D)	139,980	(D)	113,481	(D)	234,252
	Nitrogen solutions, including mixtures (100% N)	177,223	[4]583,791	[a]171,326	[4]578,062	225,254	[4]668,143
28731 65	Solutions containing ammonia	[4](S)	148,250	[4](S)	148,131	[4](S)	159,860
28731 66	Ammonium nitrate/urea solutions	[a]141,903	435,541	[a]133,891	429,931	188,970	508,283
28731 67	All other	(4)	(4)	(4)	(4)	(4)	(4)
28731 12	Nitric acid (100%)[5]	504,169	(X)	521,650	(X)	637,702	(X)
28732 --	Urea (100%)	430,409	625,189	445,696	508,711	455,810	662,311
	For fertilizer use:						
28732 16	Solutions produced as intermediate in nitrogen solutions	149,392	1,312	[a]139,523	899	176,978	(S)
28732 18	Solid	254,551	608,965	276,548	495,226	251,572	640,410
	Other uses:						
28732 21	Feed (solid and solution)	12,061	(D)	5,506	(D)	8,548	(D)
28732 22	All other (solid and solution)	14,401	(D)	24,119	(D)	18,712	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): [a]20 percent or more of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census. (X) Not applicable.

[1] Stocks held by producing companies include amounts held at their nonproducing locations.
[2] Production represents total amount of ammonium nitrate produced including amounts used for fertilizer, explosive, and other uses, and amounts consumed in manufacturing other products, such as nitrogen solutions. Stocks represent total stocks held by producing companies, including stock of original solution and amounts (liquid and solid) reported as fertilizer, explosives, or other uses.
[3] Excludes coke oven byproduct ammonium sulfate.
[4] "All other nitrogen solutions" is combined with "Solutions containing ammonia," to avoid disclosing figures for individual companies.
[5] Includes data for Government-owned, contractor-operated plants.

Table 3. PRIMARY PRODUCTION, SHIPMENTS, AND STOCKS OF PHOSPHORIC ACID

(Short tons)

Product code	Chemical and basis	November 1986			October 1986			November 1985		
		Quantity produced	Quantity shipped	Stocks held by producing companies	Quantity produced	Quantity shipped	Stocks held by producing companies	Quantity produced	Quantity shipped	Stocks held by producing companies
	Phosphoric acid (100% phosphoric oxide)	818,424	379,602	238,780	906,458	388,877	261,342	799,202	431,030	294,594
28741 81	Thermal	52,088	15,094	14,995	53,086	16,032	15,072	44,935	19,003	16,511
28741 85	Wet	766,336	[a]364,508	223,785	853,372	[a]372,845	246,270	754,267	412,027	278,083
	By use:									
28741 86	Fertilizer	720,440	(X)	(D)	810,627	(X)	(D)	723,247	(X)	(D)
28741 87	Feed and other	45,896	(X)	(D)	43,745	(X)	(D)	31,020	(X)	(D)
	By grade:									
28741 88	Ortho (less than 65% P_2O_5)	628,227	(X)	(D)	721,441	(X)	(D)	605,056	(X)	(D)
28741 89	Super (more than 65% P_2O_5)	(S)	(X)	(D)	(S)	(X)	(D)	147,912	(X)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): [a]20 percent or more of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies but are included in higher level. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census. (X) Not applicable.

Table 4. PRODUCTION, SHIPMENTS, CONSUMPTION, AND STOCKS OF SUPERPHOSPHATE AND OTHER PHOSPHATIC FERTILIZER MATERIALS, BY TYPE

(Short tons)

Product code	Product description	Basis	November 1986	October 1986	November 1985
28742 --	Superphosphate and other phosphatic fertilizer materials:				
	Production:				
	Gross weight	.....	1,052,624	1,290,380	1,147,187
	Phosphoric oxide content	100% P_2O_5	472,653	586,322	511,205
	Shipments, including interplant transfers	..do	409,984	r522,390	397,846
	Used in plants (captive)	..do	20,444	r22,680	6,288
	Stocks on hand, end of month	Gross wt	815,300	639,755	1,084,105
28742 15	Normal and enriched:				
	Production:				
	Gross weight	.....	61,211	49,270	41,423
	Phosphoric oxide content	100% P_2O_5	15,067	(D)	8,411
	Shipments, including interplant transfers	..do	(S)	(S)	a2,490
	Used in plants (captive)	..do	12,984	13,944	a6,260
	Stocks on hand, end of month	Gross wt	35,677	25,286	a34,515
28742 41	Concentrated:				
	Production:				
	Gross weight	.....	183,706	244,483	225,710
	Phosphoric oxide content	100% P_2O_5	85,964	114,244	104,569
	Shipments, including interplant transfers	..do	60,284	101,894	81,474
	Used in plants (captive)	..do	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt	145,237	105,329	242,326
	Ammonium phosphate:				
28742 51	Monoammonium phosphates:				
	Production:				
	Gross weight	.....	76,646	113,348	58,135
	Nitrogen content	100% N	8,706	12,703	5,489
	Phosphoric oxide content	100% P_2O_5	39,456	58,734	29,699
	Shipments, including interplant transfers	..do	36,622	47,724	23,737
	Used in plants (captive)	..do	-	-	(D)
	Stocks on hand, end of month	Gross wt	71,646	67,505	97,191
28742 52	Diammonium phosphates:				
	Production:				
	Gross weight	.....	704,161	838,293	784,388
	Nitrogen content	100% N	128,104	155,129	142,507
	Phosphoric oxide content	100% P_2O_5	325,024	388,144	360,742
	Shipments, including interplant transfers	..do	302,519	r357,456	281,559
	Used in plants (captive)	..do	(D)	(D)	-
	Stocks on hand, end of month	Gross wt	522,686	423,916	625,934
28742 55	Other ammonium phosphates:				
	Production:				
	Gross weight	.....	1(D)	1(D)	137,531
	Nitrogen content	100% N	1(D)	1(D)	16,036
	Phosphoric oxide content	100% P_2O_5	1(D)	1(D)	17,784
	Shipments, including interplant transfers	..do	1(D)	112,999	18,586
	Used in plants (captive)	..do	1(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt	140,054	137,719	164,139
28742 61	Other phosphatic fertilizer materials:				
	Production:				
	Gross weight	.....	(1)	(1)	(1)
	Nitrogen content	100% N	(1)	(1)	(1)
	Phosphoric oxide content	100% P_2O_5	(1)	(1)	(1)
	Shipments, including interplant transfers	..do	(1)	(1)	(1)
	Used in plants (captive)	..do	(1)	(1)	(1)
	Stocks on hand, end of month	Gross wt	(1)	(1)	(1)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): a20 percent or more of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. N - Nitrogen content. P_2O_5 - Phosphoric oxide content. rRevised by 5 percent or more from previously published figures. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census.

1"Other ammonium phosphates" is combined with "Other phosphatic fertilizer materials" to avoid disclosure of figures for individual companies.

Table 5. PRIMARY PRODUCTION AND STOCKS OF SULFURIC ACID

(Short tons)

Product code	Chemical and basis	November 1986		October 1986		November 1985	
		Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants
	Sulfuric acid (100%):[1]						
	Total gross	3,129,656	772,676	3,461,137	700,892	3,115,700	868,311
28193 10	Oleum grades	136,032	(X)	151,303	(X)	115,000	(X)
28193 31	Other than oleum grades	2,993,624		3,309,834		3,000,700	
28193 51	Sulfuric acid produced from decomposition of alkylation acid, other spent acids and sludge acid and included in above production figures	153,195	37,653	195,749	r52,196	108,900	61,376
28193 71	Spent acid fortified in contact units and included in above production figures	18,145	(D)	14,976	(D)	14,700	3,531
	Total new acid[2]	2,958,316	(X)	3,250,412	(X)	2,992,100	(X)

Note: Sulfuric acid data for November 1985 have been revised as the result of the reconciliation between this report and the 1985 annual Current Industrial Report, MA28B, Inorganic Fertilizer Materials and Related Products, issued September 1986.

(D) Data withheld to avoid disclosing figures for individual companies. rRevised by 5 percent or more from previously published figures.
(X) Not applicable.

[1]Includes data for Government-owned, contractor-operated plants.
[2]Total new acid equals total gross acid, minus fortified spent acid and sulfuric acid produced from the decomposition of alkylation acid, other spent acids and sludge acid.

Table 6. PRODUCTION OF SELECTED INORGANIC FERTILIZER MATERIALS, BY STATE

(Short tons)

State	Ammonia (100%)	Nitric acid (100%)	Phosphoric acid (100% P_2O_5)	Urea (100%)	Superphosphates and other phosphatic fertilizer materials (100% P_2O_5)	New sulfuric acid (100%)
NOVEMBER 1986						
United States	1,100,453	504,165	818,424	430,405	472,653	2,958,316
Alabama	(D)	(D)	-	(D)	(D)	(D)
Florida	(D)	50,947	441,320	(D)	255,514	1,338,081
Georgia	(D)	(D)	(D)	(D)	2,591	(D)
Illinois	(D)	(D)	14,138	(D)	(D)	56,359
Iowa	(D)	(D)	-	(D)	-	(D)
Louisiana	427,746	a53,933	158,494	150,076	(D)	435,879
Missouri	-	(S)	(D)	(D)	(D)	(D)
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	(D)	29,717
Oklahoma	(D)	(D)	-	(D)	-	(D)
Tennessee	(D)	(D)	(D)	(D)	-	(D)
Texas	73,387	(D)	(D)	(D)	(D)	134,468
California	-	(D)	(D)	-	(D)	52,913
All other states	295,159	159,882	159,274	89,355	84,986	761,834
OCTOBER 1986						
United States	1,161,729	521,650	906,458	445,696	586,322	3,250,412
Alabama	(D)	(D)	-	(D)	(D)	(D)
Florida	(D)	65,324	490,392	(D)	307,975	1,467,556
Georgia	(D)	(D)	(D)	(D)	1,078	(D)
Illinois	(D)	(D)	15,637	(D)	(D)	59,409
Iowa	(D)	(D)	-	(D)	-	(D)
Louisiana	464,299	a44,943	176,062	201,511	(D)	487,886
Missouri	-	a36,370	(D)	(D)	(D)	(D)
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	-	27,864
Oklahoma	(D)	(D)	-	(D)	-	(D)
Tennessee	(D)	(D)	(D)	-	-	(D)
Texas	85,752	(D)	(D)	(D)	(D)	140,126
California	(D)	24,849	4,946	(D)	(D)	67,078
All other states	270,081	144,943	173,088	60,352	108,613	r843,502

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): a20 percent or more of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. rRevised by 5 percent or more from previously published figures. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census.

Table 7. PRODUCTION, INVENTORY, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED INORGANIC FERTILIZER MATERIALS: OCTOBER 1986

(Short tons)

Product code[1]	Product description	Beginning stock October 1986	Quantity produced	Imports for consumption[2]	Ending stock October 1986	Exports of domestic merchandise[3]	Apparent consumption[4]	Percent imports to apparent consumption
28731 30	Anhydrous ammonia, for fertilizer use..	1,539,970	1,055,963	176,628	1,619,977	95,172	1,057,412	16.7
28731 50	Ammonium nitrate, original solution....	157,029	456,168	28,987	193,729	4,515	443,940	6.5
28731 56 28731 58	Ammonium sulfate.....	141,762	172,037	12,385	126,260	120,949	78,975	15.7
28731 65 28731 66 28731 67	Nitrogen solutions.....	598,510	171,324	48,991	578,062	864	239,899	20.4
28732 --	Urea.....	428,771	445,696	285,979	508,711	69,676	582,059	49.1
28741 81 28741 85	Phosphoric acid.....	239,488	906,458	2,310	261,342	(D)	(D)	(D)
28742 15	Normal and enriched superphosphates[5]...	26,786	49,270	-	25,286	-	50,770	-
28742 41	Concentrated superphosphates[5].....	103,421	244,465	-	105,329	113,540	129,017	-
28742 52	Diammonium phosphates[5].....	301,563	838,293	258	423,916	308,591	407,607	(Z)
28742 51 28742 55 28742 61	Monoammonium phosphates, other ammonium phosphates, and other phosphatic fertilizer materials[5].....	77,052	158,352	9,036	105,224	24,941	114,275	7.9
28193 00	Sulfuric acid.....	708,207	3,461,137	70,075	700,892	4,707	3,533,820	2.0

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. (Z) Less than one-half of 1 percent.

[1] For comparison of Standard Industrial Classification codes, Schedule B export numbers, and TSUSA import numbers, see table 8 in the January 1986 report, M28B(86)-1, issued March 1986.

[2] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.

[3] Source: Bureau of the Census report EM 546, U.S. Exports.

[4] Apparent consumption represents new domestic supply and is derived by subtracting exports from the total of manufacturers' production plus imports, and adjusting for changes in stocks.

[5] Gross weight.

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Inorganic Fertilizer Materials and Related Products

U.S. Department of Commerce
BUREAU OF THE CENSUS

DECEMBER 1983
M28B(86)-12
Issued February 1987

The statistics in this report are based on a survey of producers of sulfuric acid, inorganic fertilizer chemicals, and phosphatic fertilizer material. The statistics represent total production and stocks of U.S. manufacturers of nitric acid, sulfuric acid, ammonia, and phosphatic fertilizer materials. Estimates are included for companies whose reports were not received in time for tabulation. A description of the survey methodology and related information may be found in the January 1986 report, M28B(86)-1, issued March 1986.

This report is available electronically in CENDATA, the Bureau's online information service through a commercial vendor. The electronic version of this report will be available approximately one week earlier than the printed report. The CENDATA report for January 1987 will be released on or about March 3, 1987. For further information, contact Customer Services, DUSD, Bureau of the Census, Washington, D.C. 20233, or call (301) 763,4100.

Table 1. SUMMARY OF PRODUCTION OF PRINCIPAL INORGANIC FERTILIZERS: 1984 TO 1986

(1,000 short tons)

Month and year	Ammonia, synthetic anhydrous (28731 31) (100%)	Ammonium nitrate original solution (28731 50)	Ammonium sulfate (28731 61 162)	Urea (28732 15) (100%)	Nitric acid (28731 12) (100%)	Phosphoric acid (28741 81 185) (100% P_2O_5)	Sulfuric acid, gross (28193 00) (100%)	Phosphatic fertilizer materials (28762 00) (100% P_2O_5)
1986								
December	1,218	623	181	513	513	855	3,376	r535
November	1,100	626	171	630	586	816	3,130	r498
October	1,162	656	172	646	522	906	3,461	586
September	1,109	622	173	685	692	830	3,253	553
August	1,097	577	157	673	652	706	2,877	489
July	1,008	366	160	672	666	692	2,899	425
Fertilizer year (July 1985-June 1986)	15,598	6,210	2,096	6,148	7,099	9,660	37,372	6,151
June	1,119	668	180	689	528	721	2,916	619
May	1,255	696	192	666	626	778	3,106	662
April	1,266	529	166	602	638	823	3,212	511
March	1,256	613	193	546	691	862	3,252	689
February	1,180	521	169	522	586	666	2,736	603
January	1,237	481	172	495	568	579	2,608	580
1985								
Total	17,319	6,776	2,093	6,678	7,366	10,518	39,651	7,652
December	1,342	676	166	658	517	737	2,983	681
November	1,281	553	157	671	604	801	3,116	556
October	1,418	550	189	550	615	924	3,432	591
September	1,327	522	168	458	588	921	3,399	619
August	1,316	498	165	434	562	804	3,271	610
July	1,403	545	179	497	580	844	3,343	670
Fertilizer year (July 1984-June 1985)	17,560	7,120	2,098	7,547	7,685	11,367	41,125	8,271
June	1,504	596	163	611	646	849	3,367	649
May	1,560	653	199	666	682	916	3,373	710
April	1,564	616	175	627	661	971	3,565	714
March	1,588	632	180	684	670	939	3,577	731
February	1,453	542	166	595	594	862	3,035	651
January	1,563	613	175	627	645	890	3,210	698
1984								
Total	16,702	7,165	2,067	7,432	7,798	11,394	41,893	8,032
December	1,544	616	169	682	661	1,003	3,562	650

Note: Inorganic fertilizers figures for 1984 and 1985 have been revised as the result of the reconciliation between this report and the 1985 Current Industrial Report, MA288, Inorganic Fertilizer Materials and Related Products, issued September 1986.

rRevised by 5 percent or more from previously published figures.

Address inquiries concerning these figures to U.S. Department of Commerce, Bureau of the Census, Industry Division, Washington, D.C. 20233, or call Gisela B. Hoffman, (301) 763-7807.

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C3.168:

Table 2. PRIMARY PRODUCTION AND STOCKS OF NITROGENOUS FERTILIZER MATERIALS

(Short tons)

Product code	Chemical and basis	December 1986		November 1986		December 1985	
		Quantity produced	Stocks held by producing companies[1]	Quantity produced	Stocks held by producing companies[1]	Quantity produced	Stocks held by producing companies[1]
28731 31	Ammonia: Synthetic, anhydrous (100%)	1,218,092	1,833,684	1,100,453	1,765,504	1,255,610	2,186,105
28731 30	Fertilizer use	1,092,422	1,790,779	979,140	1,726,104	1,148,836	2,128,200
28731 32	Other uses	125,670	42,905	121,313	39,200	[a]106,774	58,105
	Ammonium nitrate (100%):						
28731 50	Original solution[1]	[a]423,210	[a]238,590	[a]425,557	[a]226,466	484,944	251,873
	Fertilizer use:						
28731 52	Solution produced for sale as such for direct application	[a]23,912	(D)	26,318	61,225	37,958	62,610
28731 54	Solution produced for consumption in the manufacture of nitrogen solutions or other fertilizer materials	[a]139,402	37,747	[a]137,383	39,374	157,132	36,182
28731 51	Solid	148,724	225,634	141,862	206,359	160,150	264,276
28731 53	Other uses[2]	497,957	(S)	[a]105,030	(S)	87,662	69,578
28731 57	Ammonium sulfate (100%)[3]	180,980	196,814	170,616	153,208	162,436	299,523
28731 56	Synthetic	(D)	18,921	(D)	13,228	(D)	33,158
28731 58	Byproduct, other than coke oven	(D)	177,893	(D)	139,980	(D)	266,365
	Nitrogen solutions, including mixtures (100% N)	198,170	568,225	177,223	583,791	230,200	734,580
28731 65	Solutions containing ammonia	[4](S)	140,477	[4](S)	148,250	[4](S)	191,799
28731 66	Ammonium nitrate/urea solutions	[a]156,753	427,748	[a]141,903	435,541	186,057	542,781
28731 67	All other	(4)	(4)	(4)	(4)	(4)	(4)
28731 12	Nitric acid (100%)[5]	[a]312,638	(X)	304,165	(X)	343,997	(X)
28732 --	Urea (100%)	512,678	619,909	430,405	625,189	439,052	661,821
	For fertilizer use:						
28732 16	Solutions produced as intermediate in nitrogen solutions	[a]141,714	486	[a]149,392	1,312	145,227	419
28732 18	Solid	336,931	607,020	254,551	608,965	253,921	648,337
	Other uses:						
28732 21	Feed (solid and solution)	(D)	(D)	12,061	(D)	8,876	(D)
28732 22	All other (solid and solution)	(D)	(D)	14,401	(D)	[a]31,028	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): [a]20 percent or more of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census. (X) Not applicable.

[1] Stocks held by producing companies include amounts held at their nonproducing locations.
[2] Production represents total amount of ammonium nitrate produced including amounts used for fertilizer, explosive, and other uses, and amounts consumed in manufacturing other products, such as nitrogen solutions. Stocks represent total stocks held by producing companies, including stock of original solution and amounts (liquid and solid) reported as fertilizer, explosives, or other uses.
[3] Excludes coke oven byproduct ammonium sulfate.
[4] "All other nitrogen solutions" is combined with "Solutions containing ammonia," to avoid disclosing figures for individual companies.
[5] Includes data for Government-owned, contractor-operated plants.

Table 3. PRIMARY PRODUCTION, SHIPMENTS, AND STOCKS OF PHOSPHORIC ACID

(Short tons)

Product code	Chemical and basis	December 1986			November 1986			December 1985		
		Quantity produced	Quantity shipped	Stocks held by producing companies	Quantity produced	Quantity shipped	Stocks held by producing companies	Quantity produced	Quantity shipped	Stocks held by producing companies
28741 81	Phosphoric acid (100% phosphoric oxide)	855,422	[a]401,631	251,021	818,424	[a]379,602	238,780	736,762	311,922	280,044
28741 85	Wet	50,081	14,210	16,522	52,088	15,094	14,995	37,542	18,528	13,443
	By use:	805,341	[a]387,421	234,499	766,336	[a]364,508	223,785	697,220	293,394	266,601
28741 86	Fertilizer	751,707	(X)	(D)	720,440	(X)	(D)	660,565	(X)	(D)
28741 87	Feed and other	53,634	(X)	(D)	45,896	(X)	(D)	36,655	(X)	(D)
	By grade:									
28741 88	Ortho (less than 65% P_2O_5)	646,361	(X)	(D)	613,227	(X)	(D)	550,344	(X)	(D)
28741 89	Super (more than 65% P_2O_5)	(S)	(X)	(D)	(S)	(X)	(D)	145,328	(X)	(D)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): [a]20 percent or more of this item is estimated.

(D) Data withheld to avoid disclosing figures for individual companies but are included in higher level. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census. (X) Not applicable.

Table 4. PRODUCTION, SHIPMENTS, CONSUMPTION, AND STOCKS OF SUPERPHOSPHATE AND OTHER PHOSPHATIC FERTILIZER MATERIALS, BY TYPE

(Short tons)

Product code	Product description	Basis	December 1986	November 1986	December 1985
28742 --	Superphosphate and other phosphatic fertilizer materials:				
	Production:				
	Gross weight	.....	1,189,463	r1,107,377	929,460
	Phosphoric oxide content	100% P_2O_5	535,099	r497,839	420,755
	Shipments, including interplant transfers	..do.	524,958	409,984	403,925
	Used in plants (captive)	..do.	25,581	20,444	6,047
	Stocks on hand, end of month	Gross wt.	774,689	815,300	1,129,148
28742 15	Normal and enriched:				
	Production:				
	Gross weight	.....	60,565	61,211	38,699
	Phosphoric oxide content	100% P_2O_5	15,672	15,067	a7,813
	Shipments, including interplant transfers	..do.	(S)	(S)	a2,214
	Used in plants (captive)	..do.	15,005	12,984	a4,292
	Stocks on hand, end of month	Gross wt.	36,398	35,677	a68,129
28742 41	Concentrated:				
	Production:				
	Gross weight	.....	174,208	183,706	162,266
	Phosphoric oxide content	100% P_2O_5	81,849	85,964	75,522
	Shipments, including interplant transfers	..do.	63,325	60,284	56,487
	Used in plants (captive)	..do.	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt.	160,328	145,237	293,268
	Ammonium phosphate:				
28742 51	Monoammonium phosphates:				
	Production:				
	Gross weight	.....	87,649	76,646	77,902
	Nitrogen content	100% N.	8,799	8,538	9,084
	Phosphoric oxide content	100% P_2O_5	44,657	39,456	40,486
	Shipments, including interplant transfers	..do.	25,006	36,622	51,970
	Used in plants (captive)	..do.	-	-	(D)
	Stocks on hand, end of month	Gross wt.	100,249	71,646	r69,756
28742 52	Diammonium phosphates:				
	Production:				
	Gross weight	.....	825,211	r758,914	607,428
	Nitrogen content	100% N.	150,711	r137,960	110,277
	Phosphoric oxide content	100% P_2O_5	379,490	r350,210	284,854
	Shipments, including interplant transfers	..do.	427,633	302,519	284,788
	Used in plants (captive)	..do.	(D)	(D)	(D)
	Stocks on hand, end of month	Gross wt.	414,756	522,686	626,844
28742 55	Other ammonium phosphates:				
	Production:				
	Gross weight	.....	[1]41,830	[1](D)	[1]43,165
	Nitrogen content	100% N.	[1](D)	[1](D)	[1]5,637
	Phosphoric oxide content	100% P_2O_5	[1](D)	[1](D)	[1]12,080
	Shipments, including interplant transfers	..do.	[1]6,942	[1](D)	[1]8,466
	Used in plants (captive)	..do.	[1](D)	[1](D)	(D)
	Stocks on hand, end of month	Gross wt.	[1]62,958	[1]40,054	[1]71,151
28742 61	Other phosphatic fertilizer materials:				
	Production:				
	Gross weight	.....	(1)	(1)	(1)
	Nitrogen content	100% N.	(1)	(1)	(1)
	Phosphoric oxide content	100% P_2O_5	(1)	(1)	(1)
	Shipments, including interplant transfers	..do.	(1)	(1)	(1)
	Used in plants (captive)	..do.	(1)	(1)	(1)
	Stocks on hand, end of month	Gross wt.	(1)	(1)	(1)

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): a20 percent or more of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. N - Nitrogen content. P_2O_5 - Phosphoric oxide content. rRevised by 5 percent or more from previously published figures. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census.

[1]"Other ammonium phosphates" is combined with "Other phosphatic fertilizer materials" to avoid disclosure of figures for individual companies.

Table 5. PRIMARY PRODUCTION AND STOCKS OF SULFURIC ACID

(Short tons)

Product code	Chemical and basis	December 1986		November 1986		December 1985	
		Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants	Quantity produced	Stocks at producing plants
	Sulfuric acid (100%):[1]						
	Total gross	3,373,571	791,802	3,129,656	772,676	2,983,300	881,900
28193 10	Oleum grades	141,078	(X)	136,032	(X)	120,600	(X)
28193 31	Other than oleum grades	3,232,493		2,993,624		2,862,700	
28193 51	Sulfuric acid produced from decomposition of alkylation acid, other spent acids and sludge acid and included in above production figures	162,528	42,500	153,195	37,653	130,700	52,196
28193 71	Spent acid fortified in contact units and included in above production figures	15,857	(D)	18,145	(D)	11,900	(D)
	Total new acid[2]	3,195,186	(X)	2,958,316	(X)	2,840,700	(X)

Note: Sulfuric acid data for December 1985 have been revised as the result of the reconciliation between this report and the 1985 annual Current Industrial Report, MA28B, Inorganic Fertilizer Materials and Related Products, issued September 1986.

(D) Data withheld to avoid disclosing figures for individual companies. (X) Not applicable.

[1] Includes data for Government-owned, contractor-operated plants.
[2] Total new acid equals total gross acid, minus fortified spent acid and sulfuric acid produced from the decomposition of alkylation acid, other spent acids and sludge acid.

Table 6. PRODUCTION OF SELECTED INORGANIC FERTILIZER MATERIALS, BY STATE

(Short tons)

State	Ammonia (100%)	Nitric acid (100%)	Phosphoric acid (100% P_2O_5)	Urea (100%)	Superphosphates and other phosphatic fertilizer materials (100% P_2O_5)	New sulfuric acid (100%)
DECEMBER 1986						
United States	1,218,092	512,638	855,422	512,678	535,099	3,195,186
Alabama	(D)	(D)	-	(D)	(D)	(D)
Florida	(D)	(D)	462,874	(D)	302,701	1,438,319
Georgia	(D)	(D)	(D)	(D)	1,458	(D)
Illinois	(D)	(D)	12,666	(D)	(D)	61,490
Iowa	(D)	(D)	-	(D)	-	(D)
Louisiana	482,752	a57,269	160,168	194,280	(D)	475,101
Missouri	-	a45,224	(D)	(D)	(D)	(D)
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	(D)	30,490
Oklahoma	(D)	(D)	-	(D)	-	(D)
Tennessee	(D)	(D)	(D)	(D)	-	(D)
Texas	60,731	(D)	(D)	-	(D)	147,979
California	-	(D)	(D)	-	(D)	57,521
All other states	329,129	168,671	167,737	122,217	90,980	830,155
NOVEMBER 1986						
United States	1,100,453	504,165	818,424	430,405	r497,839	2,958,316
Alabama	(D)	(D)	-	(D)	(D)	(D)
Florida	(D)	50,947	441,320	(D)	r280,700	1,338,081
Georgia	(D)	(D)	(D)	(D)	2,591	(D)
Illinois	(D)	(D)	14,138	(D)	(D)	56,359
Iowa	(D)	(D)	-	(D)	-	(D)
Louisiana	427,746	a53,933	158,494	150,076	(D)	435,879
Missouri	-	(S)	(D)	(D)	(D)	(D)
Nebraska	(D)	(D)	-	(D)	-	-
Ohio	(D)	(D)	(D)	(D)	(D)	29,717
Oklahoma	(D)	(D)	-	(D)	-	(D)
Tennessee	(D)	(D)	(D)	(D)	-	(D)
Texas	73,387	(D)	(D)	(D)	(D)	134,468
California	-	(D)	(D)	-	(D)	52,913
All other states	295,159	159,882	159,274	89,355	84,986	761,834

Note: The percent of estimation of each item is indicated as follows (see "Description of Survey" in the text of the January 1986 report, M28B(86)-1, issued March 1986, for a discussion of estimation of missing reports): a20 percent or more of this item is estimated.

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies. rRevised by 5 percent or more from previously published figures. (S) Suppressed. Data did not meet publication standards of the Bureau of the Census.

Table 7. PRODUCTION, INVENTORY, EXPORTS, IMPORTS, AND APPARENT CONSUMPTION OF SELECTED INORGANIC FERTILIZER MATERIALS: NOVEMBER 1986

(Short tons)

Product code[1]	Product description	Beginning stock November 1986	Quantity produced	Imports for consumption[2]	Ending stock November 1986	Exports of domestic merchand'se[3]	Apparent consumption[4]	Percent imports to apparent consumption
28731 30	Anhydrous ammonia, for fertilizer use..	1,619,977	979,140	142,810	1,726,304	88,016	927,607	15.4
28731 50	Ammonium nitrate, original solution....	193,729	425,557	30,382	226,464	1,734	421,470	7.2
28731 56 28731 58	Ammonium sulfate.....	126,260	170,616	24,705	153,208	94,284	74,089	33.3
28731 65 28731 66 28731 67	Nitrogen solutions.....	578,062	177,223	8,849	583,791	3,677	176,666	5.0
28732 --	Urea.....	508,711	430,405	179,023	625,189	5,098	487,852	36.7
28741 81 28741 85	Phosphoric acid.....	261,342	818,424	2,507	238,780	(D)	(D)	(D)
28742 15	Normal and enriched superphosphates[5]...	25,286	61,211	325	35,677	-	51,145	0.6
28742 41	Concentrated superphosphates[5].....	105,329	183,706	-	145,237	95,085	48,713	-
28742 52	Diammonium phosphates[5].....	423,916	758,914	19,235	522,686	465,388	213,991	9.0
28742 51 28742 55 28742 61	Monoammonium phosphates, other ammonium phosphates, and other phosphatic fertilizer materials[5].....	105,224	103,546	3,747	111,700	35,054	65,763	5.7
28193 00	Sulfuric acid.....	700,892	3,129,656	78,761	772,676	5,043	3,131,590	2.5

- Represents zero. (D) Data withheld to avoid disclosing figures for individual companies.

[1] For comparison of Standard Industrial Classification codes, Schedule B export numbers, and TSUSA import numbers, see table 8 in the January 1986 report, M28B(86)-1, issued March 1986.

[2] Source: Bureau of the Census report IM 145-X, U.S. Imports for Consumption and General Imports.

[3] Source: Bureau of the Census report EM 546, U.S. Exports.

[4] Apparent consumption represents new domestic supply and is derived by subtracting exports from the total of manufacturers' production plus imports, and adjusting for changes in stocks.

[5] Gross weight.

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